

Note:
use Ver &3 with 183726-02D
use Ver &7 with 183726-02

DFQ NO Jumps
DFI W2

REFERENCE DESIGNATIONS			
LAST USED		DELETED	
BASIC	REPETITIVE	BASIC	REPETITIVE
I	C141		
4	R148		
P1			
N2			

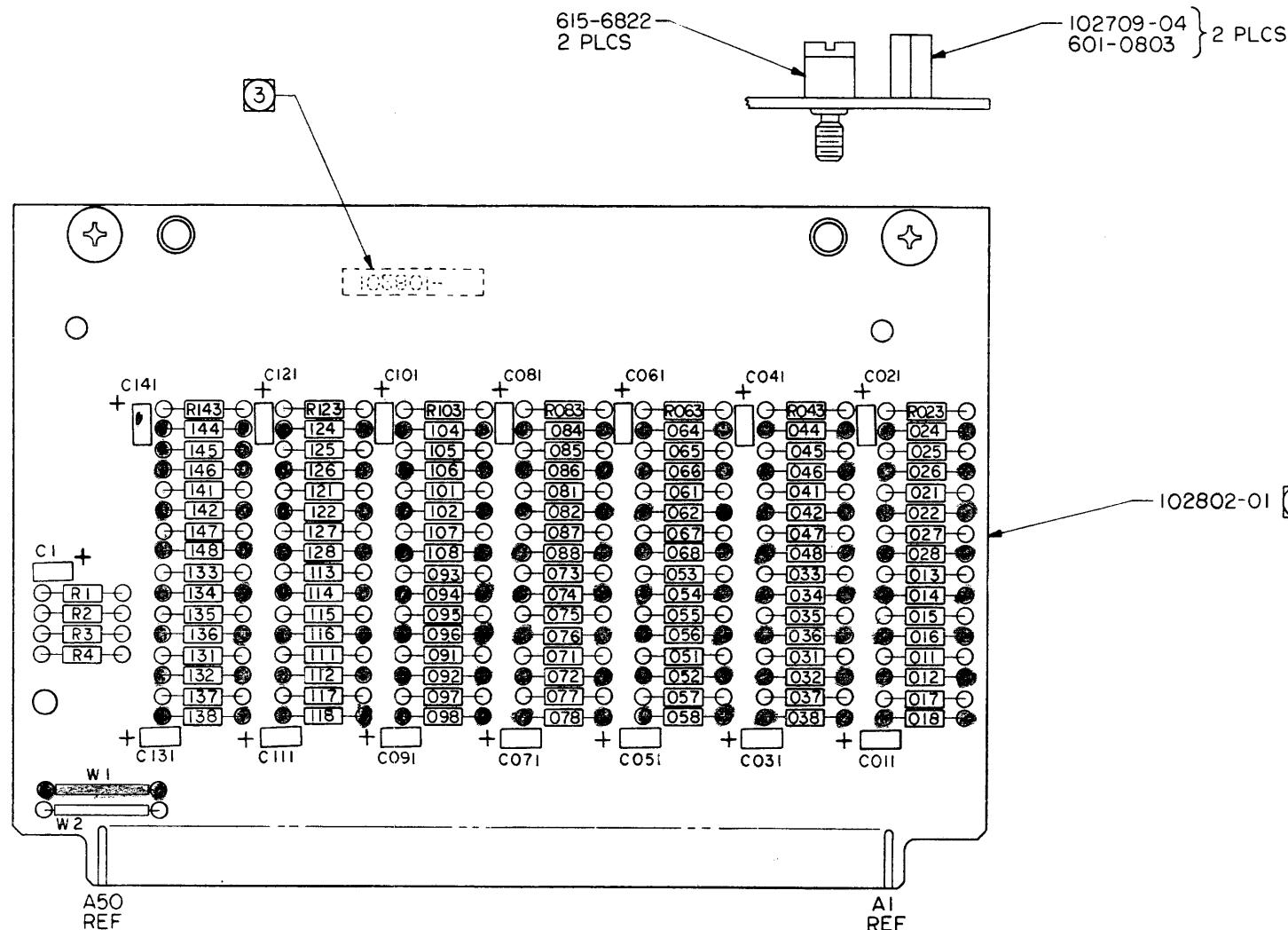
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		THE INFORMATION HEREIN IS THE PROPERTY OF PERIPHERAL EQUIPMENT CORPORATION. NO REPRODUCTION OR DISSEMINATION IS ALLOWED.		PEC		PERIPHERAL EQUIPMENT CORPORATION	
TOLERANCES: .002 ± .001 ANGULAR .002 ± .001 RADIAL X ± .002 ✓		SIGNATURES DATE DR. LEO MANN 1/6/70 CNC 1/6/70 DES 1/6/70 ENG. FULTE 6-11-70 ENG. H. FULTE 6-22-70		TITLE SCHEMATIC, 1/8" TERMINATION BD			
BASIC ALL-SILVER COPPER APPNBR:-010		SIZE CORN. INCH. NO. DWG NO. REV. E 102800 A1		SCALE NONE DO NOT SCALE DWG SHEET 1 OF 2			
FINISH:	MATERIAL:						

	-01	-02	-03	-04	-05	-06
R011	OMIT	OMIT	220	120	120	220
R012	↑	↑	330	OMIT	OMIT	330
R013			220	120	120	220
R014			330	OMIT	OMIT	330
R015			220	120	120	220
R016			330	OMIT	OMIT	330
R017			220	120	120	220
R018			330	OMIT	OMIT	330
R021			220	120	120	220
R022			330	OMIT	OMIT	330
R023			220	120	120	220
R024			330	OMIT	OMIT	330
R025			220	120	120	220
R026			330	OMIT	OMIT	330
R027			220	120	120	220
R028			330	OMIT	OMIT	330
R031			220	120	120	220
R032			330	OMIT	OMIT	330
R033			220	120	120	220
R034			330	OMIT	OMIT	330
R035			220	120	120	220
R036			330	OMIT	OMIT	330
R037			220	120	120	220
R038			330	OMIT	OMIT	330
R041			220	120	120	220
R042			330	OMIT	OMIT	330
R043			220	120	120	220
R044			330	OMIT	OMIT	330
R045			220	120	120	220
R046			330	OMIT	OMIT	330
R047			220	120	120	220
R048			330	OMIT	OMIT	330
R051			220	120	120	220
R052			330	OMIT	OMIT	330
R053			220	120	120	220
R054			330	OMIT	OMIT	330
R055			220	120	120	220
R056			330	OMIT	OMIT	330
R057			220	120	120	220
R058			330	OMIT	OMIT	330
R061			220	120	120	220
R062			330	OMIT	OMIT	330
R063			220	120	120	220
R064			330	OMIT	OMIT	330
R065			220	120	120	220
R066			330	OMIT	OMIT	330
R067			220	120	120	220
R068			330	OMIT	OMIT	330
R071			220	120	120	220
R072			330	OMIT	OMIT	330
R073			220	120	120	220
R074			330	OMIT	OMIT	330
R075			220	120	120	220
R076			330	OMIT	OMIT	330
R077	↓	↓	220	120	120	220
R078	OMIT	OMIT	330	OMIT	OMIT	330

	-01	-02	-03	-04	-05	-06
R061	OMIT	220	220	120	270	220
R082	↑	330	330	OMIT	OMIT	330
R083		220	220	120	270	220
R084		330	330	OMIT	OMIT	330
R085		220	220	120	270	220
R086		330	330	OMIT	OMIT	330
R087		220	220	120	270	220
R088		330	330	OMIT	OMIT	330
R091		220	220	120	270	220
R092		330	330	OMIT	OMIT	330
R093		220	220	120	270	220
R094		330	330	OMIT	OMIT	330
R095		220	220	120	270	220
R096		330	330	OMIT	OMIT	330
R097		220	220	120	270	220
R098		330	330	OMIT	OMIT	330
R101		220	220	120	270	220
R102		330	330	OMIT	OMIT	330
R103		220	220	120	270	220
R104		330	330	OMIT	OMIT	330
R105		220	220	120	270	220
R106		330	330	OMIT	OMIT	330
R107		220	220	120	270	220
R108		330	330	OMIT	OMIT	330
R111		220	220	120	270	220
R112		330	330	OMIT	OMIT	330
R113		220	220	120	270	220
R114		330	330	OMIT	OMIT	330
R115		220	220	120	270	220
R116		330	330	OMIT	OMIT	330
R117		220	220	120	270	220
R118		330	330	OMIT	OMIT	330
R121		220	220	120	270	220
R122		330	330	OMIT	OMIT	330
R123		220	220	120	270	220
R124		330	330	OMIT	OMIT	330
R125		220	220	120	270	220
R126		330	330	OMIT	OMIT	330
R127		220	220	120	270	220
R128		330	330	OMIT	OMIT	330
R131		220	220	120	270	220
R132		330	330	OMIT	OMIT	330
R133		220	220	120	270	220
R134		330	330	OMIT	OMIT	330
R135		220	220	120	270	220
R136		330	330	OMIT	OMIT	330
R137		220	220	120	270	220
R138		330	330	OMIT	OMIT	330
R141		220	220	120	270	220
R142		330	330	OMIT	OMIT	330
R143		220	220	120	270	220
R144		330	330	OMIT	OMIT	330
R145		220	220	120	270	220
R146		330	330	OMIT	OMIT	330
R147		220	220	120	270	220
R148		330	330	OMIT	OMIT	330
R1		220	220	120	270	220
R2		330	330	OMIT	OMIT	330
R3		220	220	120	270	220
R4		330	330	OMIT	OMIT	330
W1	↓	USE	USE	OMIT	OMIT	USE
W2	OMIT	OMIT	OMIT	USE	USE	USE
C1, O11 THRU I41	USE	USE	USE	USE	USE	USE

8 7 6 5 4 3 2 1

REVISIONS				
REV	DESCRIPTION	DATE	DR	CHK
A	ERN 4-G-W PRE-PRODUCTION RELEASE	5/1/72	RAS	11/1
	ERN 4-YH PRODUCTION RELEASE	5/1/72	PLA	3/26



Cable End Terminator Card
102801-01A

- * ● = NO component
- ** ALL Resistors = 120 ohms
- *** W2 installed
W1 NOT installed

FOR ASSEMBLY VERSION INFORMATION SEE SCHEMATIC 102800.
FOR LIST OF MATERIALS SEE LM 102801 AND APPLICABLE DASH NO.

PART NO. 102801-01 REV A

- (4) THIS ASSY SHALL BE MADE FROM PROCESS BOARD 102802 REV C AND SUBSEQUENT.
- (3) RIBBED STAMP ASSY PART NO. 102801 INCLUDING VERSION NO AND VERSION ISSUE LETTER FAR SIDE ORIENTED AS SHOWN.
2. ASSEMBLE PER STANDARD MFG METHODS.
1. REFERENCE DRAWING SCHEMATIC 102800.

NOTES: UNLESS OTHERWISE SPECIFIED:

The information herein is the property of PERTEC CORPORATION. No portion of this data shall be released, disclosed, used, or duplicated for procurement or manufacturing purposes without specific written consent of PERTEC CORPORATION.		SIGNATURES	DATE
DR	R. Long	5/20/72	PERTEC PERIPHERAL EQUIPMENT
DES	Engr. FULTZ	6-22-72	TITLE
ENGR	FULTZ	6-22-72	PCBA
PROJ. ENGR	X Y GATE	6-22-72	I/O TERMINATION BOARD
APPROV: HHS			
DIMENSIONS ARE IN INCHES	BRAKE ALL SHARP CORNERS		
UNLESS OTHERWISE SPECIFIED	APPROV: HHS		
TOLERANCES:	ANGULAR		
XX ±	XX		
XXX ±	XXX		
X	X		
X	X	✓	
NEXT ASSY		FINISH:	MATL:
D3000			
1ST USED ON			
APPLICATION			
SIZE	CODE IDENT NO.	DWG NO.	REV
D		102801	A
SCALE	DO NOT SCALE DWG	SHEET	OF

8

7

6

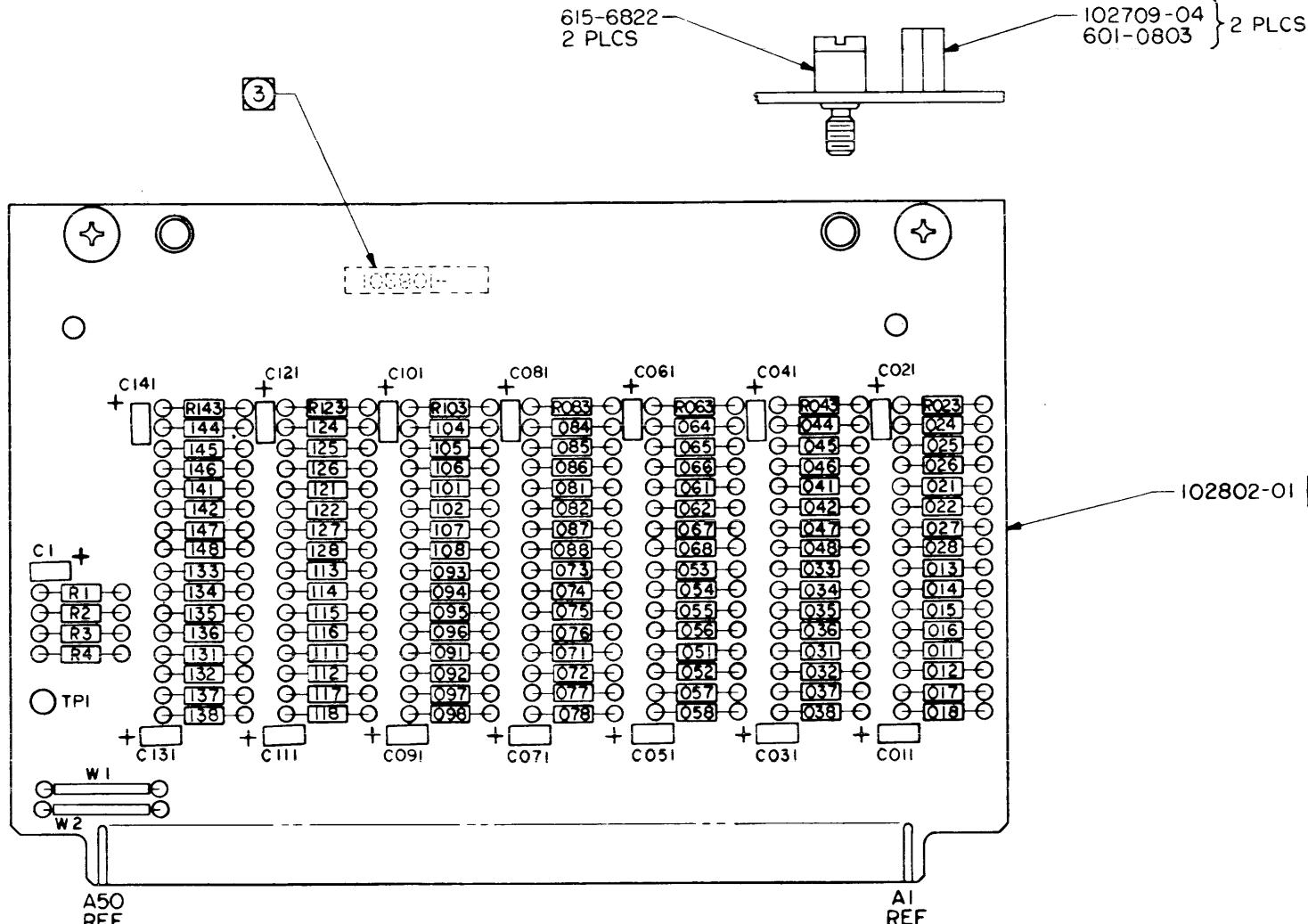
5

4

3

2

1

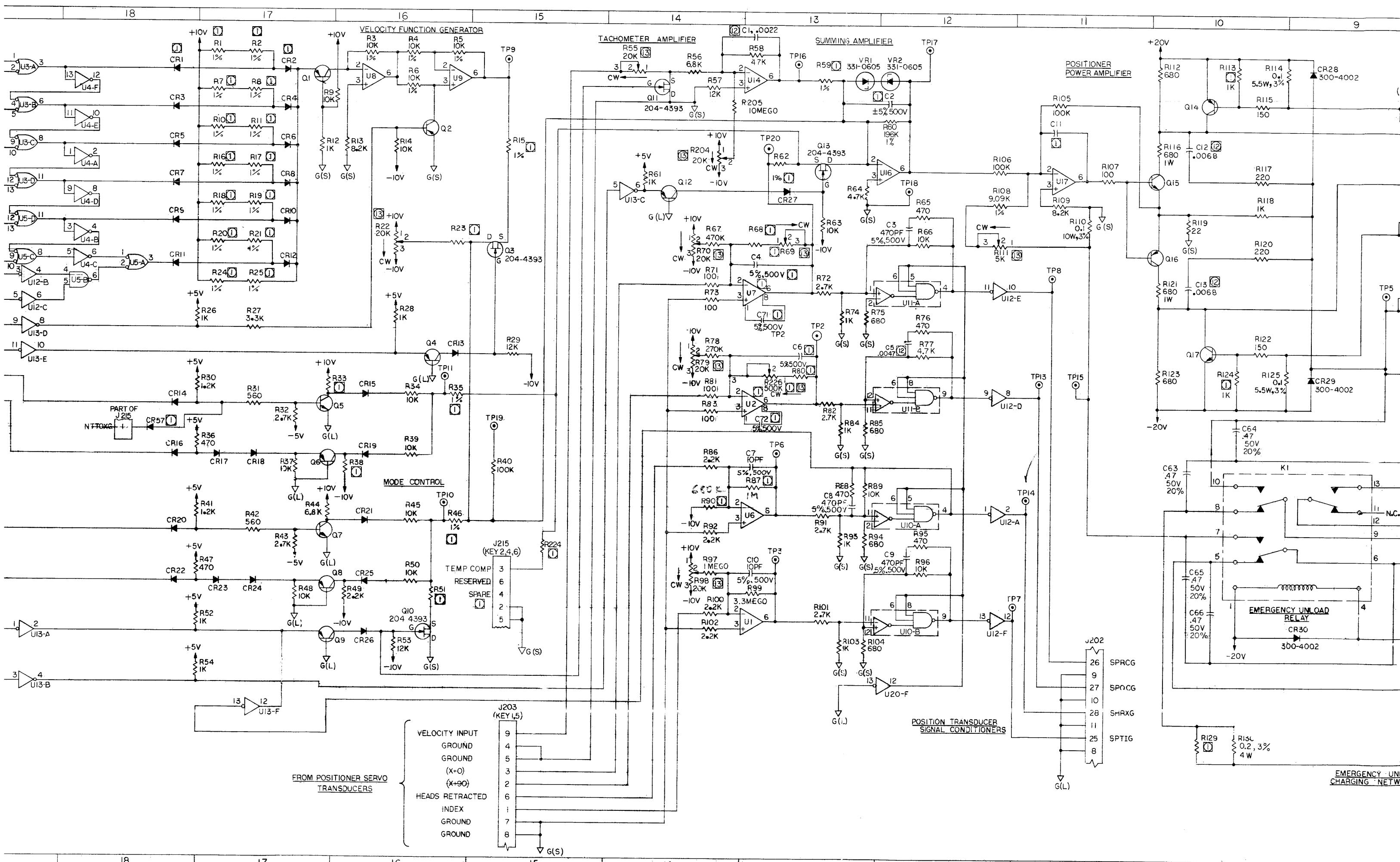


REVISIONS			
REV	DESCRIPTION	DATE	DR
A	ERN 4-G-W PRE-PRODUCTION RELEASE	7/1/72	RAS
	ERN 4-YH PRODUCTION RELEASE	7/1/72	PLC
B	ECN 7331	8/7/72	WLS

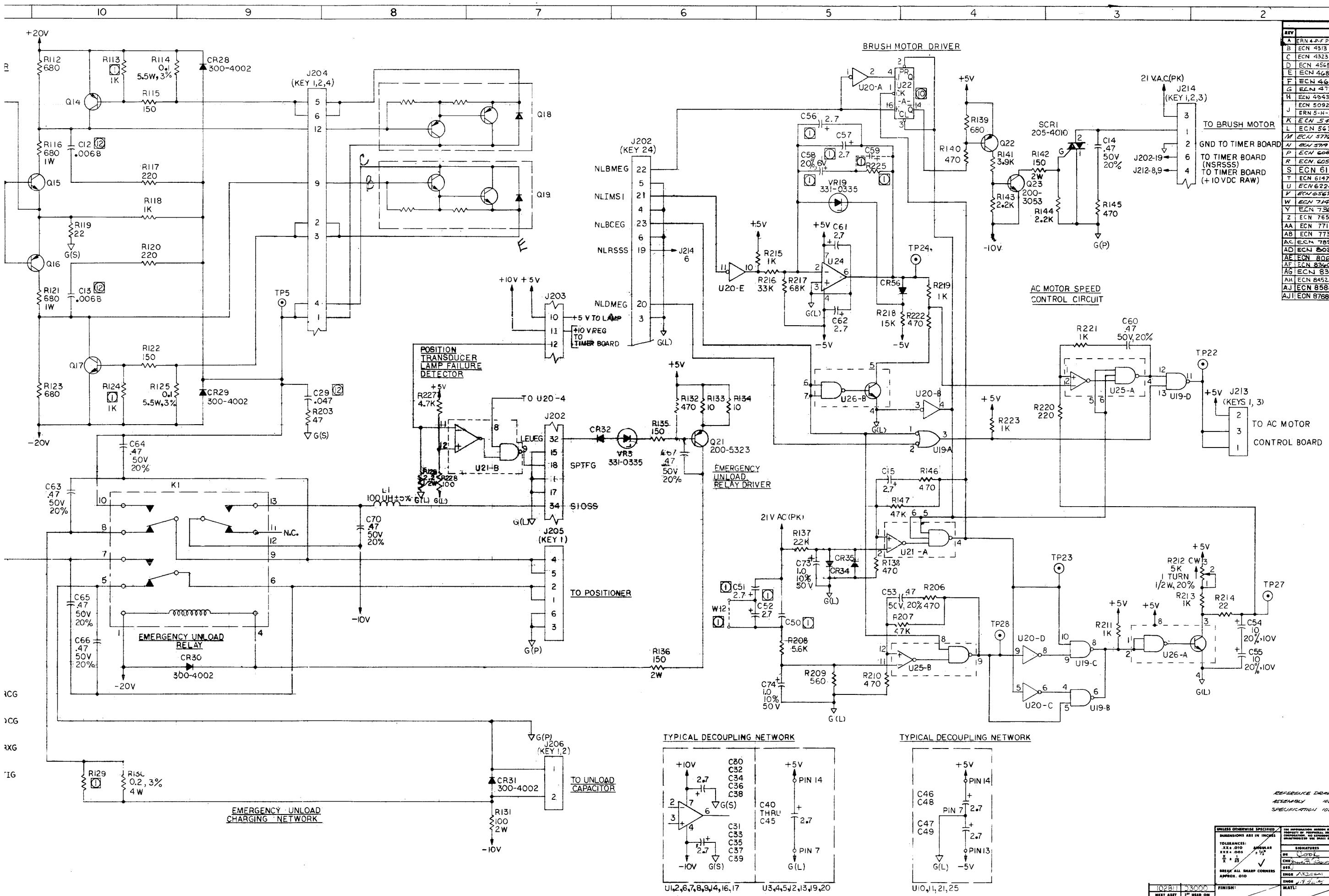
FOR ASSEMBLY VERSION INFORMATION SEE SCHEMATIC I02800.
 FOR LIST OF MATERIALS SEE LM I02801 AND APPLICABLE DASH NO.
 PART NO. I02801-03 REV B

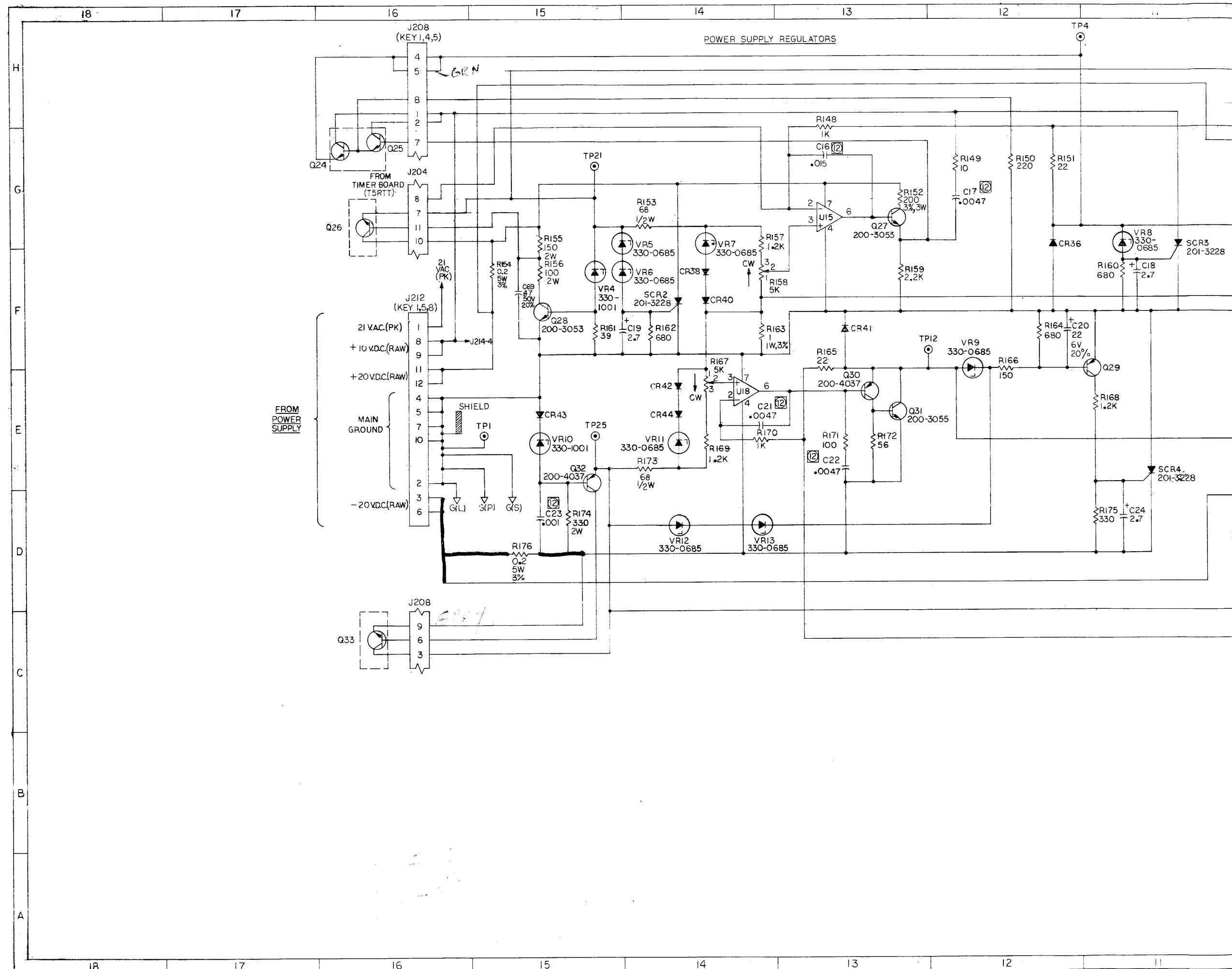
- (4) THIS ASSY SHALL BE MADE FROM PROCESS BOARD I02802 REV D AND SUBSEQUENT.
- (3) RUBBER STAMP ASSY PART NO. I02801 INCLUDING VERSION NO. AND VERSION ISSUE LETTER FAR SIDE ORIENTED AS SHOWN.
- 2. ASSEMBLE PER STANDARD MFG METHODS.
- 1. REFERENCE DRAWING SCHEMATIC I02800.
- NOTES: UNLESS OTHERWISE SPECIFIED:

The information herein is the property of PERTEC CORPORATION. No portion of this data shall be released, disclosed, used, or duplicated, for procurement or manufacturing purposes without specific written consent of PERTEC.		SIGNATURES	DATE
		DR. R. J. [Signature]	7/2/72
		CHK [Signature]	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		PERTEC PERIPHERAL EQUIPMENT	
TOLERANCES: XXX ± _____ ANGULAR X ± _____		TITLE	
ENGR FULT [Signature] 6-22-72 PROJ. ENGR [Signature] 6-22-72		PCBA I/O TERMINATION BOARD	
BREAK ALL SHARP CORNERS APPROV-SHG		FINISH: MATL:	
SIZE	CODE IDENT NO.	DWG NO.	REV
D		I02801	B
SCALE	DO NOT SCALE DWG	SHEET	OF 1



REV				DESCRIPTION		DATE	DI	CHK	APP
A		ERN 4-P-F PRE-PROD RLSE				7/1/78	SPD	100%	
B		ECN 4313				9/2/78	DC	100%	
C		ECN 4323				9/2/78	DC	100%	
D		ECN 4563				12/2/78	DC	100%	
E		ECN 4686				12/12/78	DC	100%	
F		ECN 4687				12/12/78	DC	100%	
G		ECN 4796				1/2/79	DC	100%	
H		ECN 4943				2/2/79	DC	100%	
I		ECN 5092 A				2/2/79	DC	100%	
J		ERN 5-H-B PRODUCTION RELEASE				2/2/79	DC	100%	
K		ECN 5443				2/2/79	DC	100%	
L		ECN 5636				2/2/79	DC	100%	
M		ECN 5776				2/2/79	DC	100%	
N		ECN 5779				2/2/79	DC	100%	
P		ECN 6086				2/2/79	DC	100%	
R		ECN 6084				2/2/79	DC	100%	
S		ECN 6117				2/2/79	DC	100%	
T		ECN 6147				2/2/79	DC	100%	
U		ECN 6224A				2/2/79	DC	100%	
V		ECN 6369				2/2/79	DC	100%	
W		ECN 7148				2/2/79	DC	100%	
Y		ECN 7363				2/2/79	DC	100%	
Z		ECN 7650A				2/2/79	DC	100%	
AA		ECN 7714				2/2/79	DC	100%	
AB		ECN 7731A				2/2/79	DC	100%	
AC		ECN 7892				2/2/79	DC	100%	
AD		ECN 8025A				2/2/79	DC	100%	
AE		ECN 8064				2/2/79	DC	100%	
AF		ECN 8360				2/2/79	DC	100%	
AG		ECN 8391				2/2/79	DC	100%	
AH		ECN 8452				2/2/79	DC	100%	
AJ		ECN 8588				2/2/79	DC	100%	
AJ1		ECN 8768				2/2/79	DC	100%	





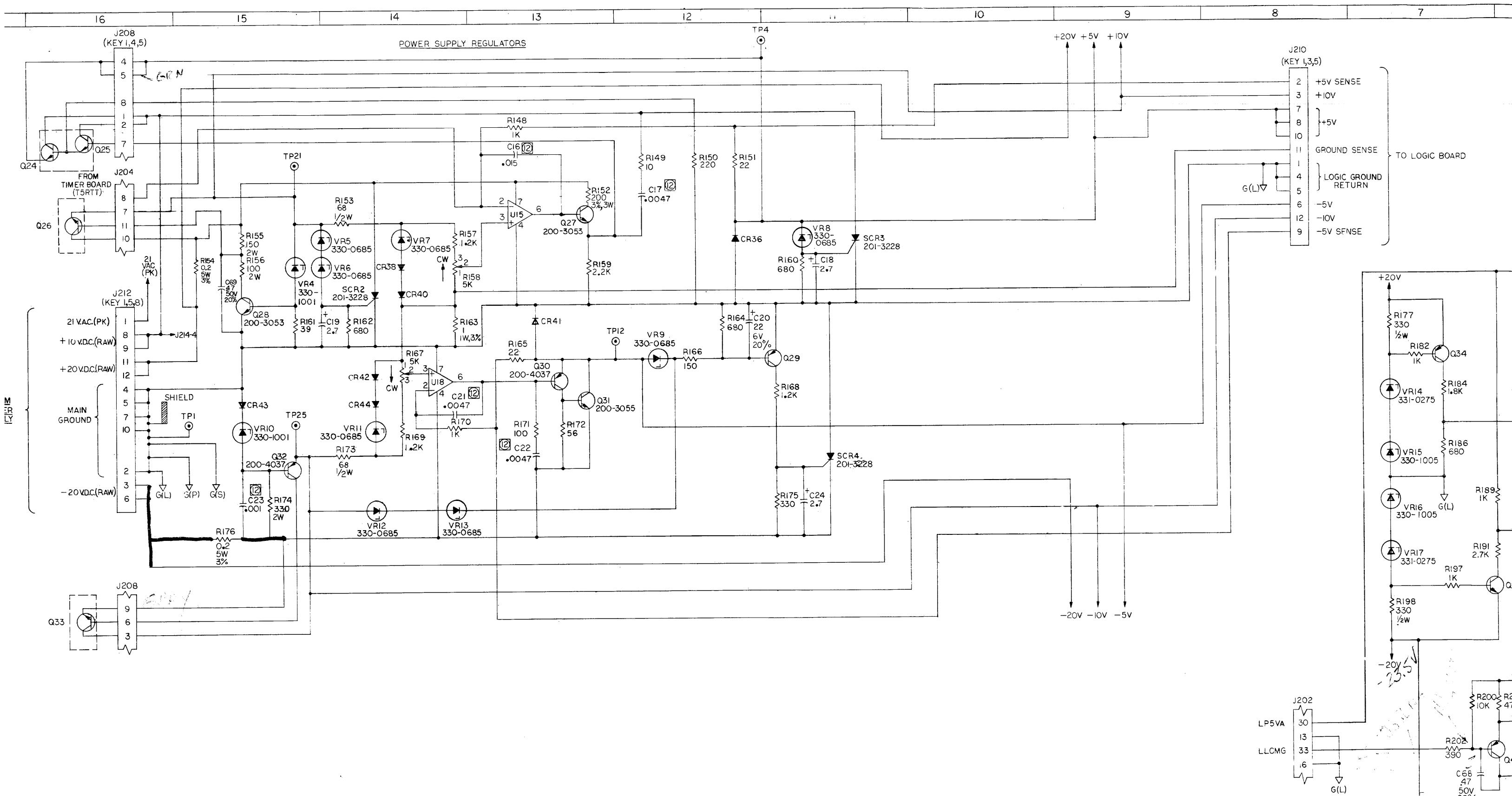


TABLE I

PART NO.	REF DESIGNATION
I00-1005	R133,134,149
-1015	R107,171,71,73,81,83,228
-1025	R12,26,28,52,54,61,74,84, 93,103,118,148,170,180, 182,197,199,211,215,219, 221,223,189,213
-1035	R9,14,34,37,39,45,48,50, 63,66,89,96,83,200
-1045	R40,105,106
-1055	R97
-1225	R30,41,68,194,157,169
-1235	R29,53,57
-1515	R115,122,135,166
-1825	R184,192
-2205	R119,151,165,214
-2215	R117,120,220,150
-2225	R,49,86, 92,00,02,37,143, 144,159
-2235	R188
-3905	R161
-2725	R32,43,72,82,91,101, 191
-5625	R208
-3315	R175,187,190,196
-3325	R27
-3335	R216
-3355	R99
-3915	R202
-3925	R141
-4705	R193,203
-4715	R36,47,65,76,88,95,132, 138,145,146,201,140,206, 210,222
-4725	R64,178,227,77
-4735	R147,207,58
-4745	R67
-5605	R172
-5615	R31,42,209
-6805	R181,185
-6815	R75,85,94,104,112,123, 160,162,164,186,139
-8225	R13,109
-1065	R205
-2745	R78
-1535	R218
-6835	R217
-100-6825	R56,44
I01-0225	R128
I01-6805	R153,173
I01-3315	R177,198
I02-6815	R116,121
I03-1015	R131,156
I03-515	R136,155,142
I03-3315	R174

TABLE I

PART NO.	REF DESIGNATION
I04-1002	R3,4,5,6
-1961	R179
-1963	R60
-4221	R195
I04-9091	R108
I08-2013	R152
I09-0002	R154,176
I09-0003	R14,125
I10-0011	R110
I13-0103	R163
I15-0002	R130
I21-2030	R22,55,70,79,98,204
I21-5020	R111,158,167
I23-5020	R212
I30-1005	C7,10
I30-4715	C3,8,9
I31-1020	C23
-2220	C1
-4720	C17,21,22,5
-4730	C29
I31-6820	C12,13
I31-1530	C16
-1065	R205
-2745	R78
-1535	R218
-6835	R217
I32-2262	C20,25,27
I32-2752	C15,18,19,24,28,30 THRU 49,61,62
I32-1062	C54,55
I35-4742	C14,26,53,60,63 THRU 70
I39-1051	C73,74
200-3053	Q23,27,28
-3055	Q31
-4037	Q30,32
-4123	Q5,7,15,17,37 THRU 41
-4125	Q1,2,4,6,8,9,21,14,16,22, 29,34,35,36,43
200-5323	Q21,42
201-3228	SCR2,3,4

TABLE I

PART NO.	REF DESIGNATION
204-4393	Q3,10,11,13
205-4010	SCRI
300-4002	CR28-31,50
300-4446	CR3 THRU 27,32,34,35, 36,38,40 THRU 44,46, THRU 49,56
330-0685	VR5 THRU 9,11 THRU 13
330-1005	VR15,16
330-1001	VR4,10
331-0275	VR18,14,17
331-0335	VR3,19
331-0605	VR1,2
400-2741	U1,6,8,9,14 THRU 18,24
502-1243	KI
515-1015	L1

TABLE II

ASSEMBLY I028II DASH NO.	VERSION CHARACTERISTIC			C2	CII	CRI	CR2	RI	R2	R7	R8	R10	R11	R16	R17
	100 TPI	200 TPI	+5V TIMER												
-01	X			VALUE	OMIT	OMIT	OMIT	OMIT	OMIT	51K	2.1K	56.2K	3.83K	82.5K	2.61K
-02		X		VALUE	220PF	OMIT	USE	USE	51K	3.16K	61.9K	237	82.5K	4.64K	121K
-31	X		X	VALUE	OMIT	OMIT	OMIT	OMIT	OMIT	51K	2.1K	104-5112	104-2151	104-5622	104-3831
-32		X	X	VALUE	220 PF	OMIT	USE	USE	51K	3.16 K	61.9 K	237	82.5K	4.64K	121K
-04		X		VALUE	220PF	OMIT	USE	USE	51K	3.16 K	61.9 K	237	82.5K	4.64K	121K
-34		X	X	VALUE	220PF	OMIT	USE	USE	51K	3.16 K	61.9 K	237	82.5K	4.64K	121K

ASSEMBLY I028II DASH NO.	VERSION CHARACTERISTIC			R69	R224	C71,72	U2,7	J215	R87	R90	R33	R38	R226	R225	R1
	100 TPI	200 TPI	+5V TIMER												
-01	X			VALUE	500K	OMIT	OMIT	741 OP-AMP	OMIT	2.2MEGO	2.2MEGO	2.7K	2.2K	500K	3.3K
-02		X		VALUE	500K	220K	OMIT	318 OP-AMP	USE	1.0MEGO	680K	12K	12K	500K	3.3K
-31	X		X	VALUE	500K	OMIT	OMIT	741 OP-AMP	OMIT	2.2 MEGO	2.2 MEGO	2.7K	2.2K	500K	3.3K
-32		X	X	VALUE	500K	220K	OMIT	318 OP-AMP	USE	1.0 MEGO	680K	12K	12K	500K	3.3K
-04		X		VALUE	500K	220K	OMIT	318 OP-AMP	USE	1.0-1055	100-6845	100-1235	100-1235	121-5040	100-3325
-34		X	X	VALUE	500K	220K	OMIT	318 OP-AMP	USE	1.0 MEGO	680K	12K	12K	500K	3.3K

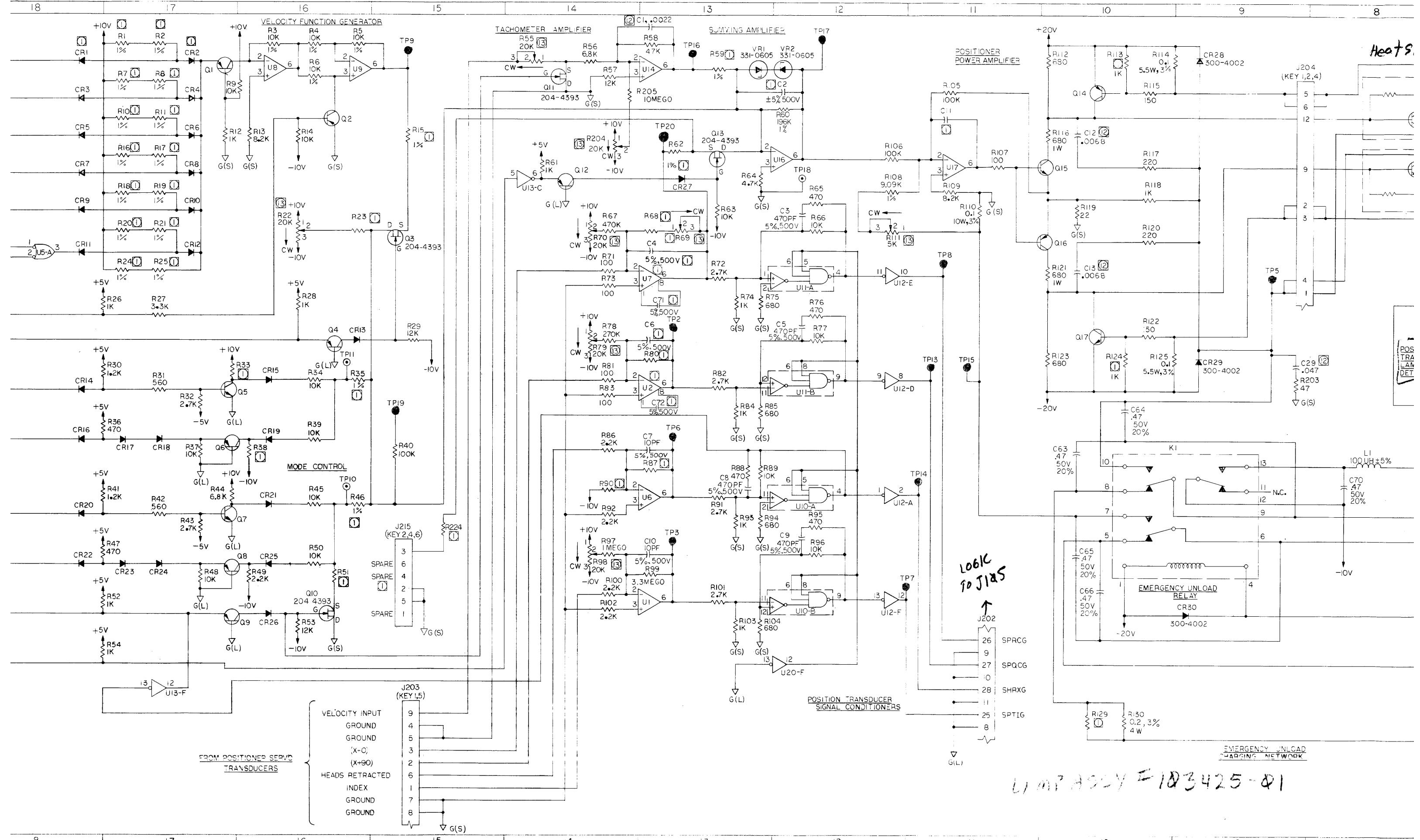
10	9	8	7	6	5	4	3	2	
DATE	REV	DESCRIPTION	DATE	DR	CHK APPR				

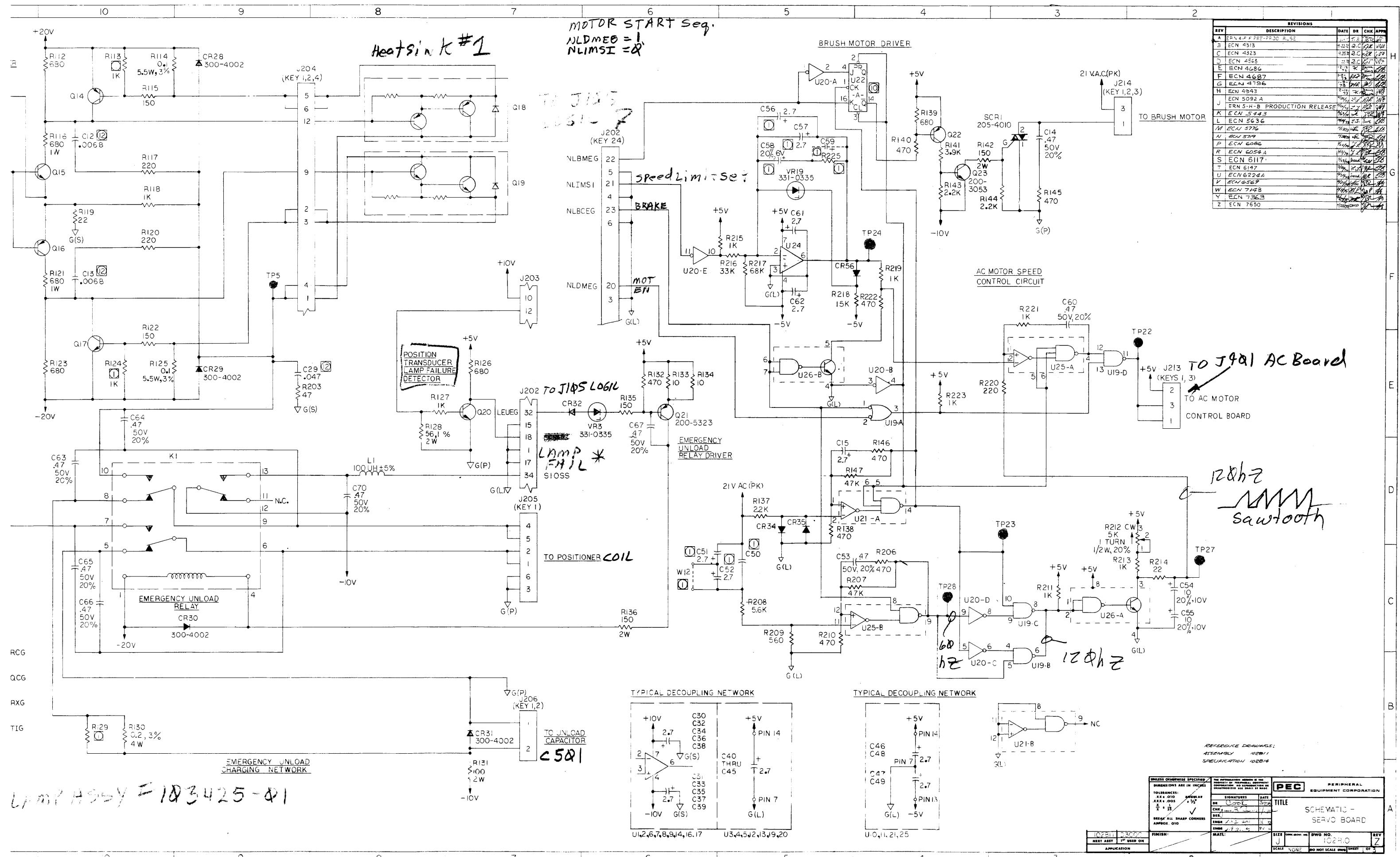
TABLE II

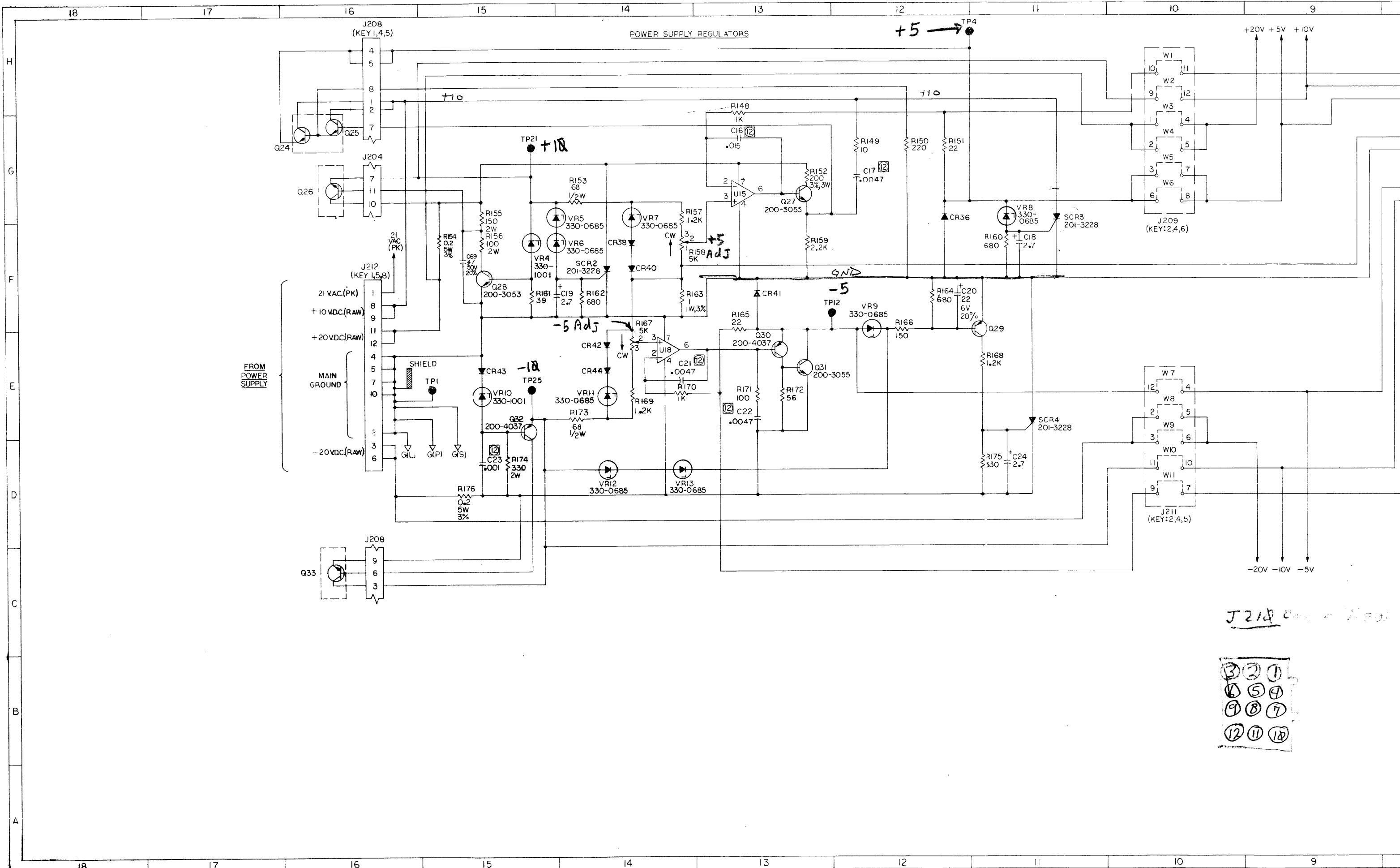
CRI	CR2	R1	R2	R7	R8	R10	R11	R16	R17	R18	R19	R20	R21	R24	R25	R113	R124	C50	C51	C52	C56	C57	C58	C59	W12	C4	C6	R23	R35	R46	R51	R62	R68; R80		R129		
OMIT	OMIT	OMIT	OMIT	51.1K	2.45K	56.2K	3.83K	825K	2.61K	82.5K	2.61K	133K	9.09K	196K	51.1K	IK	IK	OMIT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	22	OMIT	OMIT	47 PF	47 PF	820K	422K	61.9K	220	287K	56K	OMIT.
				104-5112	104-2151	104-5622	104-3831	104-8252	104-2611	104-8252	104-2611	104-1333	104-9091	104-1963	104-5112	100-1025	100-1025	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2262			130-4705	130-4705	100-8245	104-4223	104-6192	100-2215	104-2873	100-5635	H	
USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K	422K	75K	IK	IK	OMIT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	22	OMIT	OMIT	15PF	15PF	820K	1.5M	100K	330	562K	100K	OMIT
300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1213	104-1213	104-1963	104-2612	104-4223	104-7502	100-1025	100-1025	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2262			130-1505	130-1505	100-8245	104-1504	104-1003	100-3315	104-5623	100-1045	G	
OMIT	OMIT	OMIT	OMIT	51.1K	2.15K	56.2K	3.83K	82.5K	2.61K	82.5K	2.61K	133K	9.09K	196K	51.1K	IK	IK	OMIT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	22	OMIT	OMIT	47 PF	47 PF	820K	422K	61.9K	220	287K	56K	OMIT
USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K	422K	75K	IK	IK	OMIT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	22	OMIT	OMIT	15PF	15PF	820K	1.5M	100K	330	562K	100K	OMIT
300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1213	104-1213	104-1963	104-2611	104-4223	104-5112	100-1025	100-1025	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2262			130-4705	130-4705	100-8245	104-4223	104-6192	100-2215	104-2873	100-5635	F	
USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K	422K	75K	IK	IK	OMIT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	22	OMIT	OMIT	15PF	15PF	820K	1.5M	100K	330	562K	100K	OMIT
300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1213	104-1213	104-1963	104-2611	104-4223	104-7502	100-1025	100-1025	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2262			130-1505	130-1505	100-8245	104-1504	104-1003	100-3315	104-5623	100-1045	E	
USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K	422K	75K	IK	IK	OMIT	2.7	2.7	2.7	2.7	2.7	2.7	2.7	22	OMIT	OMIT	15PF	15PF	820K	1.5M	100K	330	562K	100K	OMIT
300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1213	104-1213	104-1963	104-2612	104-4223	104-7502	100-1025	100-1025	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2752	132-2262			130-1505	130-1505	100-8245	104-1504	104-1003	100-3315	104-5623	100-1045	D	

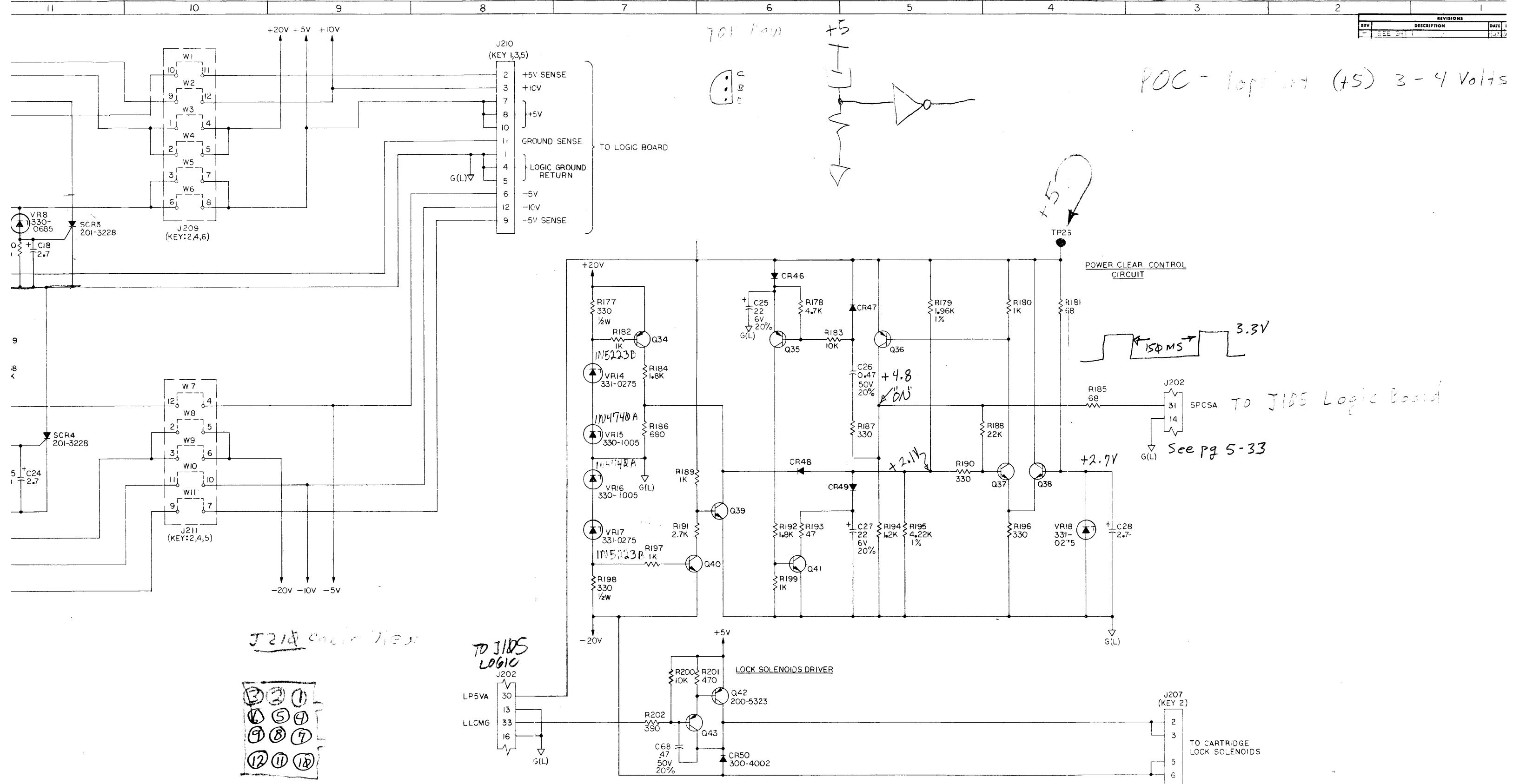
C71,72	U2,7	J215	R87	R90	R33	R38	R226	R225	R15,59	CR57
OMIT	741 OP-AMP	OMIT	2.2MEGΩ	2.2MEGΩ	2.7K	2.2K	500K	3.3K	6.81K	. OMIT
400-2741			100-2255	100-2255	100-2725	100-2225	121-5040	100-3325	104-6811	
OMIT	318 OP-AMP	USE	1.0MEGΩ	680K	12K	12K	500K	3.3K	6.19K	. OMIT
400-0318			100-1055	100-6845	100-1235	100-1235	121-5040	100-3325	104-6191	
OMIT	741 OP-AMP	OMIT	2.2 MEGΩ	2.2 MEGΩ	2.7K	2.2K	500K	3.3K	6.81K	. OMIT
400-2741			100-2255	100-2255	100-2725	100-2225	121-5040	100-3325	104-6811	
OMIT	318 OP-AMP	USE	1.0 MEGΩ	680K	12K	12K	500K	3.3K	6.19K	. OMIT
400-0318			100-1055	100-6845	100-1235	100-1235	121-5040	100-3325	104-6191	
OMIT	318 OP-AMP	USE	1.0 MEGΩ	680K	12K	12K	500K	3.3K	6.19K	USE
400-0318			100-1055	100-6845	100-1235	100-1235	121-5040	100-3325	104-6191	300-4446
OMIT	318 OP-AMP	USE	1.0 MEGΩ	680K	12K	12K	500K	3.3K	6.19K	USE
400-0318			100-1055	100-6845	100-1235	100-1235	121-5040	100-3325	104-6191	300-4446

The information herein is the property of PERTEC CORPORATION. It is to be retained, disclosed, used, or reproduced only by persons who have been granted specific written consent to do so.						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES						
TOP HOLE: 1/4" X 1/4" ANGULAR 2" X 2" = 1/2"						
BENDS: ALL SHARP CORNERS APPROX. .010						
102811	D3000	FINISH:	MATL:	CODE IDENT NO.	DWG NO.	REV
NEXT ASSY	1ST USED ON	APPLICATION		J	102810	A1
SCALE: NONE		DO NOT SCALE DMC SHEET	3	3		









REF DESIGNATION		TABLE I
PART NO.		
I04-1002	R3,4,5,6	
↑ -1961	R179	
-1963	R60	
-4221	R195	
↓		
I04-9091	R108	
I08-2013	R152	
I09-0002	R154,176	
I09-0003	R114,125	
I10-0011	R110	
I13-0103	R163	
I14-0561	R128	
I15-0002	R130	
I21-2030	R22,55,70,79,98,204	
I21-5020	R111,158,167	
I23-5020	R212	
I30-1005	C7,10	
I30-4715	C3,5,8,9	
I31-1020	C23	
↑ -2220	CI	
-4720	C17,21,22	
↓ -4730	C29	
I31-6820	C12,13	
I31-1530	C16	
I32-2262	C20,25,27	
I32-2752	C15,18,19,24,28,30 THRU 49,61,62	
I32-1062	C54,55	
I35-4742	C14,26,53,60,63 THRU 70	
200-3053	Q23,27,28	
↑ -3055	Q31	
-4037	Q30,32	
-4123	Q5,7,15,17,20,37 THRU 41	
-4125	Q1,2,4,6,8,9,12,14,16,22, 29,34,35,36,43	
↓		
200-5323	Q21,42	
201-3228	SCR2,3,4	

ASSEMBLY 1028II DASH NO.	VERSION CHARACTERISTIC		R225	C2	CII	CRI	CR2
-01	100TPI	VALUE	3.3K	OMIT	OMIT	OMIT	OMIT
		PART NO.	100-3325				
-02	200TPI	VALUE	3.3K	220PF	OMIT	USE	USE
		PART NO.	100-3325	130-2215		300-4446	300-444
ASSEMBLY 1028II DASH NO.	VERSION CHARACTERISTIC		R15,59	R69	R224	C71,72	U2,
-01	100TPI	VALUE	6.8IK	500K	OMIT	OMIT	741 OP-
		PART NO.	104-68II	121-5040			400-2
-02	200TPI	VALUE	6.19K	500K	220K	OMIT	741 OP-
		PART NO.	104-619I	121-5040	100-3345		400-2

TABLE I

TABLE I

PART NO.	REF DESIGNATION
104-1002	R3,4,5,6
-1961	R179
-1963	R60
-4221	R195
104-9091	R108
108-2013	R152
109-0002	R154,176
109-0003	R114,125
110-0011	R110
113-0103	R163
114-0561	R128
115-0002	R130
121-2030	R22,55,70,79,98,204
121-5020	R111,158,167
123-5020	R212
130-1005	C7,10
130-4715	C3,5,8,9
131-1020	C23
↑ -2220	C1
-4720	C17,21,22
↓ -4730	C29
131-6820	C12,13
131-1530	C16
132-2262	C20,25,27
132-2752	C15,18,9,24,28,30 THRU 49,61,62
132-1062	C54,55
135-4742	C14,26, 53, 60, 63 THRU 7
200-3053	Q23,27,28
↑ -3055	Q31
-4037	Q30,32
-4123	Q5,7,15,17,20,37 THRU 41
-4125	Q1,24,6,8,9,21,14,16,22, 29,34,35,36,43
↓	
200-5323	Q21,42
201-3228	SCR2,3,4

TABLE I

PART NO.	REF DESIGNATION
204-4393	Q3,0,11,13
205-4010	SCRI
300-4002	CR28-31,50
300-4446	CR3 THRU 27,32,34,35 36,38,40 THRU 44,46 THRU 49, 5
330-0685	VR5 THRU 9,11 THRU 13
330-1005	VR15,16
330-1001	VR4,10
331-0275	VR18,14,17
331-0335	VR3,19
331-0605	VR1,2
400-2741	UI, 6, 8,9,14 THRU 18
502-1243	KI
515-1015	LI
700-5107	UI0,1,21,25
↑ -7400	U3,5
-7404	U4,12,20
-7405	UI3
-7438	UI9
↓ -7476	U22
700-7545	U26

TABLE II

ASSEMBLY 1028II DASH NO.	VERSION CHARACTERISTIC		R225	C2	C11	CRI	CR2	R1	R2	R7	R8	R10	R11	R16	R17	R18	R19	R20	R21
-01	100TPI	VALUE	3.3K	OMIT	OMIT	OMIT	OMIT	OMIT	51.1K	2.15K	56.2K	3.83K	82.5K	2.61K	82.5K	2.61K	133K	9.09K	
		PART NO.	100-3325						104-5112	104-2151	104-5622	104-3831	104-8252	104-2611	104-8252	104-2611	104-1333	104-90	
-02	200TPI	VALUE	3.3K	220PF	OMIT	USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K
		PART NO.	100-3325	130-2215		300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1623	104-1212	104-1963	104-2

10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

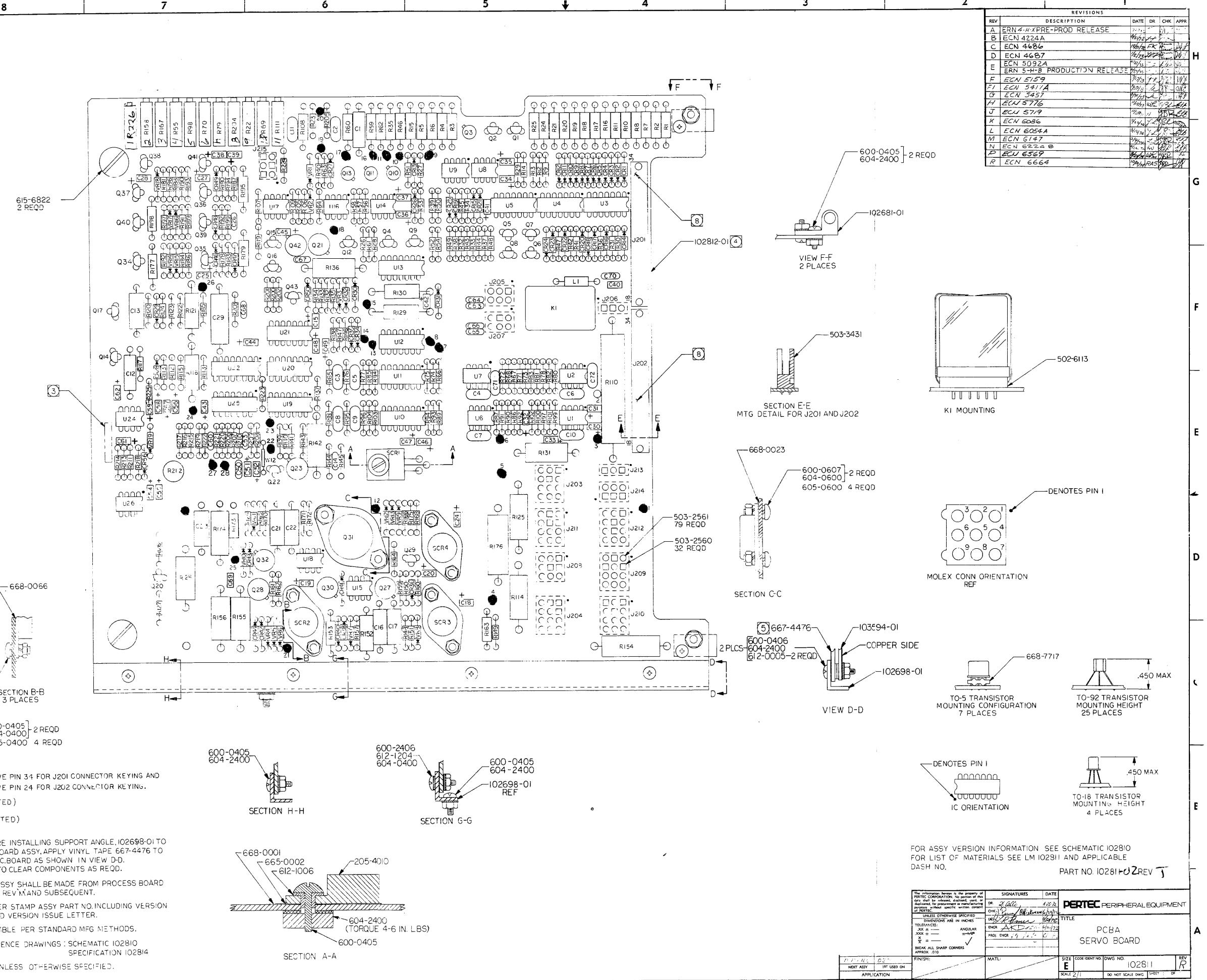
REV		DESCRIPTION		DATE	DR	CNC	APP
S	E	SHT 1		1/16/74			

TABLE II

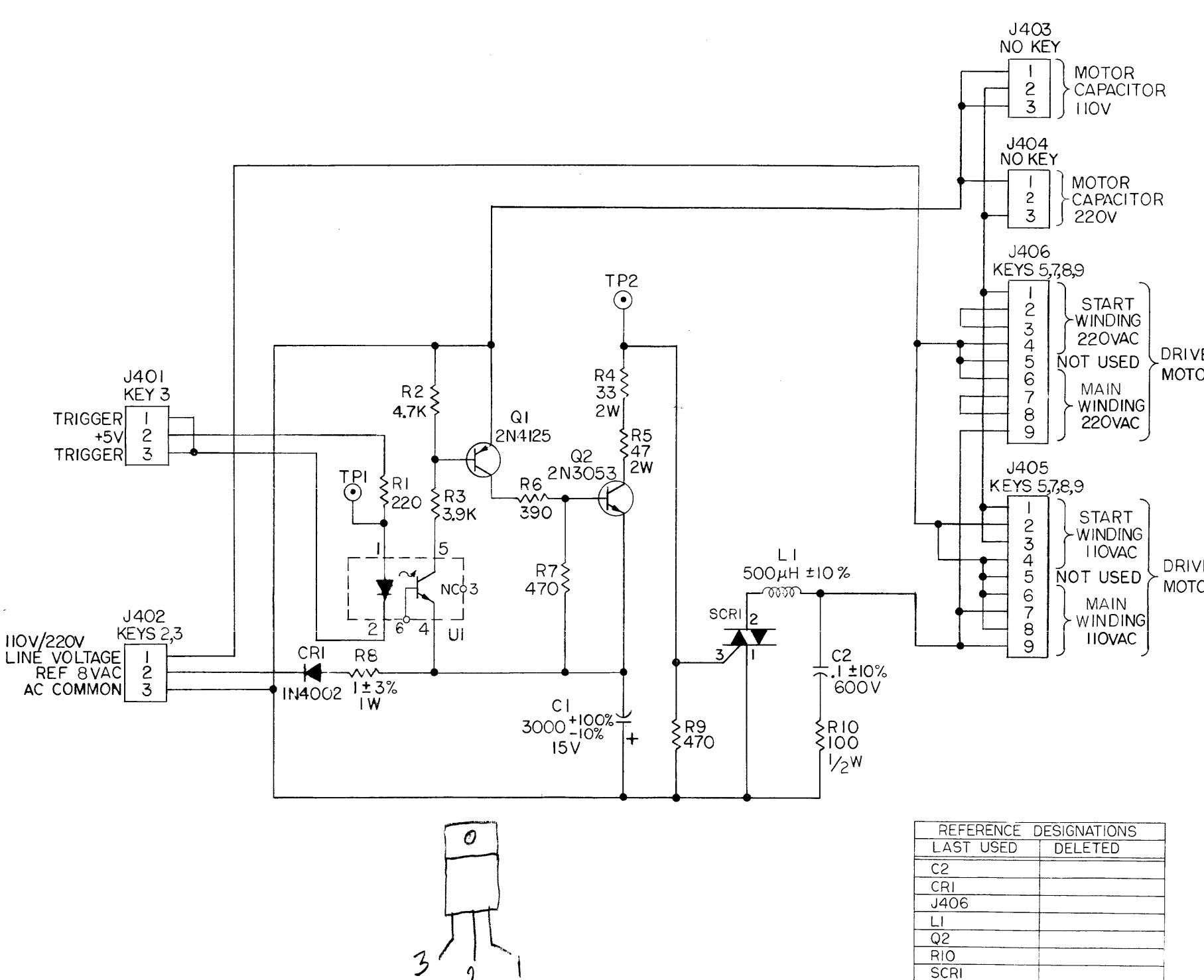
C11	CRI	CR2	RI	R2	R7	R8	R10	RII	R16	R17	R18	R19	R20	R21	R24	R25	RI13	RI24	C50	C51	C52	C56	C57	C58	C59	WI2	C4	C6	R23	R35	R46	R51	R62	R68	R80	RI29			
OMIT	OMIT	OMIT	OMIT	51.1K	2.5K	56.2K	3.83K	825K	2.61K	82.5K	2.61K	133K	9.09K	196K	5.1K	1K	1K	OMIT	2.7	2.7	2.7	2.7	22	OMIT	OMIT	47 PF	47 PF	820K	422K	61.9K	220	287K	56K	22.0K	OMIT.				
				104-5112	104-2151	104-5622	104-3831	104-8252	104-2611	104-8252	104-2611	104-1333	104-9091	104-1963	104-5112	100-1025	100-1025		132-2752	132-2752	132-2752	132-2752	132-2262			130-4705	130-4705	100-8245	104-4223	104-6192	100-2215	104-2873	100-5635	100-2245					
OMIT	USE	USE	51.1K	3.16K	61.9K	237	82.5K	4.64K	121K	3.16K	162K	12.1K	196K	26.1K	422K	75K	1K	1K	OMIT	2.7	2.7	2.7	2.7	22	OMIT	OMIT	15PF	15PF	820K	1.5M	100K	330	562K	100K	270K	OMIT			
				300-4446	300-4446	104-5112	104-3161	104-6192	104-2370	104-8252	104-4641	104-1213	104-3161	104-1623	104-1212	104-1963	104-2612	104-4223	104-7502	100-1025	100-1025		132-2752	132-2752	132-2752	132-2752	132-2262			130-1505	130-1505	100-8245	104-1504	104-1003	100-3315	104-5623	100-1045	100-2745	

R224	C71,72	U2,7	J215	R87	R90	R33	R38
OMIT	OMIT	741 OP-AMP	OMIT	2.2MEGO	2.2MEGO	2.7K	2.2K
		400-2741		100-2255	100-2255	100-2725	100-2225
220K	OMIT	741 OP-AMP	USE	1.0MEGO	680K	12K	12K
100-2245		400-2741		100-1055	100-6845	100-1235	100-1235

102811	D3000	MATL:	SIZE	CORR IDENT NO.	DWG NO.	DATE
NET ASY	PP USED ON		J		102810	5/6/74
	APPLICATION					
PERTEC PERIPHERAL EQUIPMENT						A
SCHEMATIC - SERVO BOARD						
REV A	SCALE NONE	DO NOT SCALE DWG	SHET 3 OF 3			



8 7 6 5 4 3 2 1



REFERENCE DESIGNATIONS	LAST USED	DELETED
C2		
CRI		
J406		
L1		
Q2		
R10		
SCR1		
UI		

3. ALL CAPACITOR VALUES ARE IN MICROFARADS.
 2. ALL RESISTOR VALUES ARE IN OHMS, 5%, 1/4W.
 (1) FOR VALUES, PART NOS. AND USAGE OF COMPONENTS
 NOT AFFECTION BY VERSION NO. SEE TABLE I.

NOTES: UNLESS OTHERWISE SPECIFIED.

REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 1 JR PRE-PROD RELEASE	7/14/73	PAS	100	100
	ERN 4-Y-Z PRODUCTION RELEASE	11/2/73	Y-L	100	100
B	ECN 5692A	10/3/73	Y-L	100	100

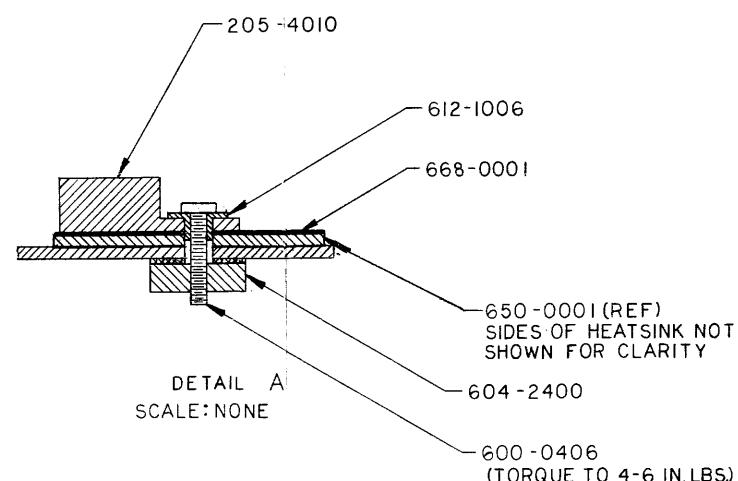
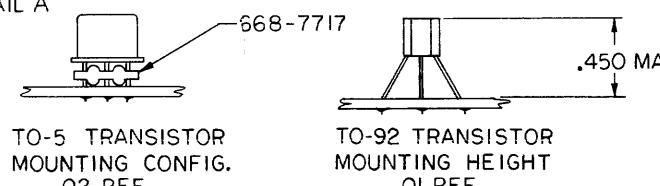
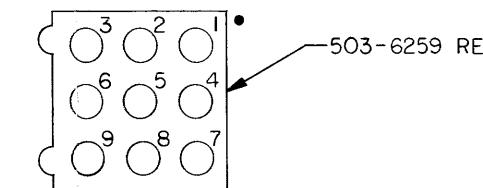
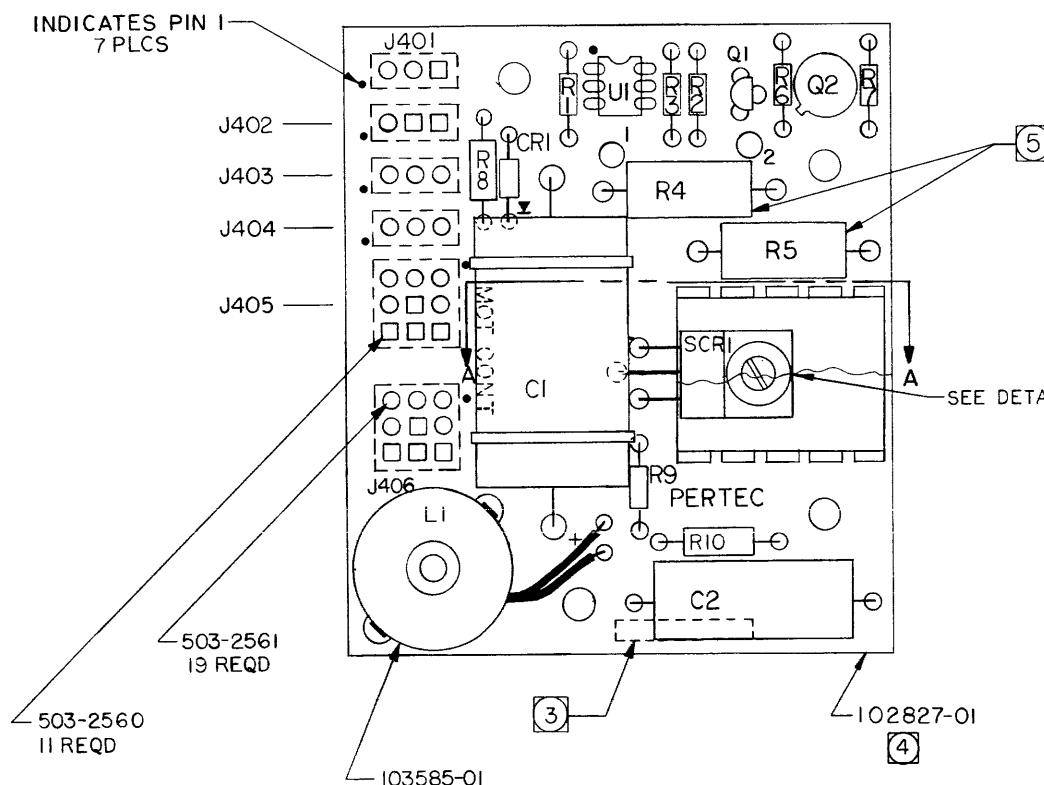
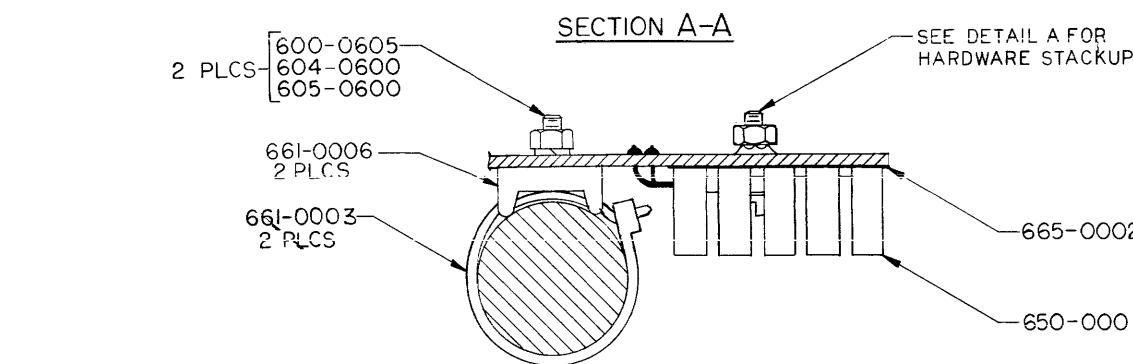
(1) TABLE I

REF DES	VARIABLE VALUE	PART NO.	COMMON	-01
C1		I34-3000	X	X
C2		I31-1046	X	X
CRI		300-4002	X	X
SCRI		205-4010	X	X
Q1		200-4125	X	X
Q2		200-3053	X	X
R1		100-2215	X	X
R2		100-4725	X	X
R3		100-3925	X	X
R4		103-3305	X	X
R5		103-4705	X	X
R6		100-3915	X	X
R7,R9		100-4715	X	X
R8		113-0103	X	X
R10		101-1015	X	X
UI		403-0001	X	X
L1		I03585-01	X	X

UNLESS OTHERWISE SPECIFIED		THE INFORMATION HEREON IS THE PROPERTY OF PERIPHERAL EQUIPMENT CORPORATION. NO REPRODUCTION OR UNAUTHORIZED USE SHALL BE MADE.	
DIMENSIONS ARE IN INCHES		SIGNATURES DATE	
TOLERANCES: XX ± .010 XXX ± .005 X ± .005		DR [Signature] 3/17/73	
ANGULAR		CHK [Signature] 3/17/73	
BREAK ALL SHARP CORNERS APPROX. 0.10		DES [Signature] 3/17/73	
APPROX. 0.10		ENGR AK [Signature] 3/17/73	
ENGR [Signature] 3/17/73		ENGR [Signature] 3/17/73	
APPLICATION		FINISH:	
102826 03000		MATERIAL:	
NEXT ASSY 1 st USED ON		SIZE CODE IDENT. NO. DWG NO.	
APPLICATION		D 102825 REV B	
DO NOT SCALE DWG SHEET 1 OF 1		SCALE	

8 | 7 | 6 | 5 | 4 | 3 | 2 | 1

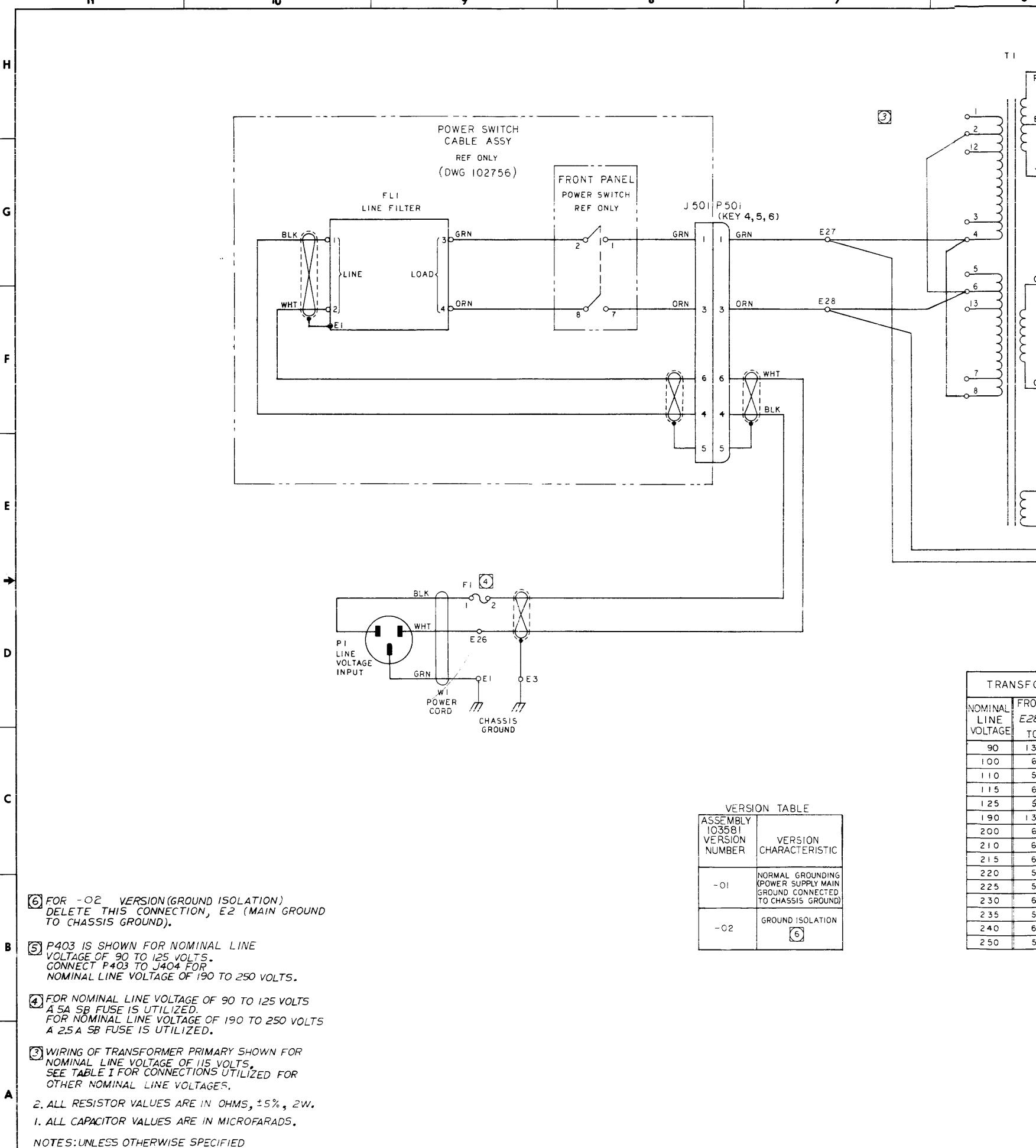
REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 4-HX PRE-PROD RELEASE	5-1-72	J.C.	BBF	Y47
B	ECN 4278	9-1-72	MM	BBP	Y47
C	ERN 4-Y-Z PRODUCTION-RELEASE	11-1-72	J.L.	BBB	Y47
D	ECN 5013	9-2-72	J.W.K.	BBH	Y47
	ECN 5692A	10-4-72	J.J.	BBR	Y48

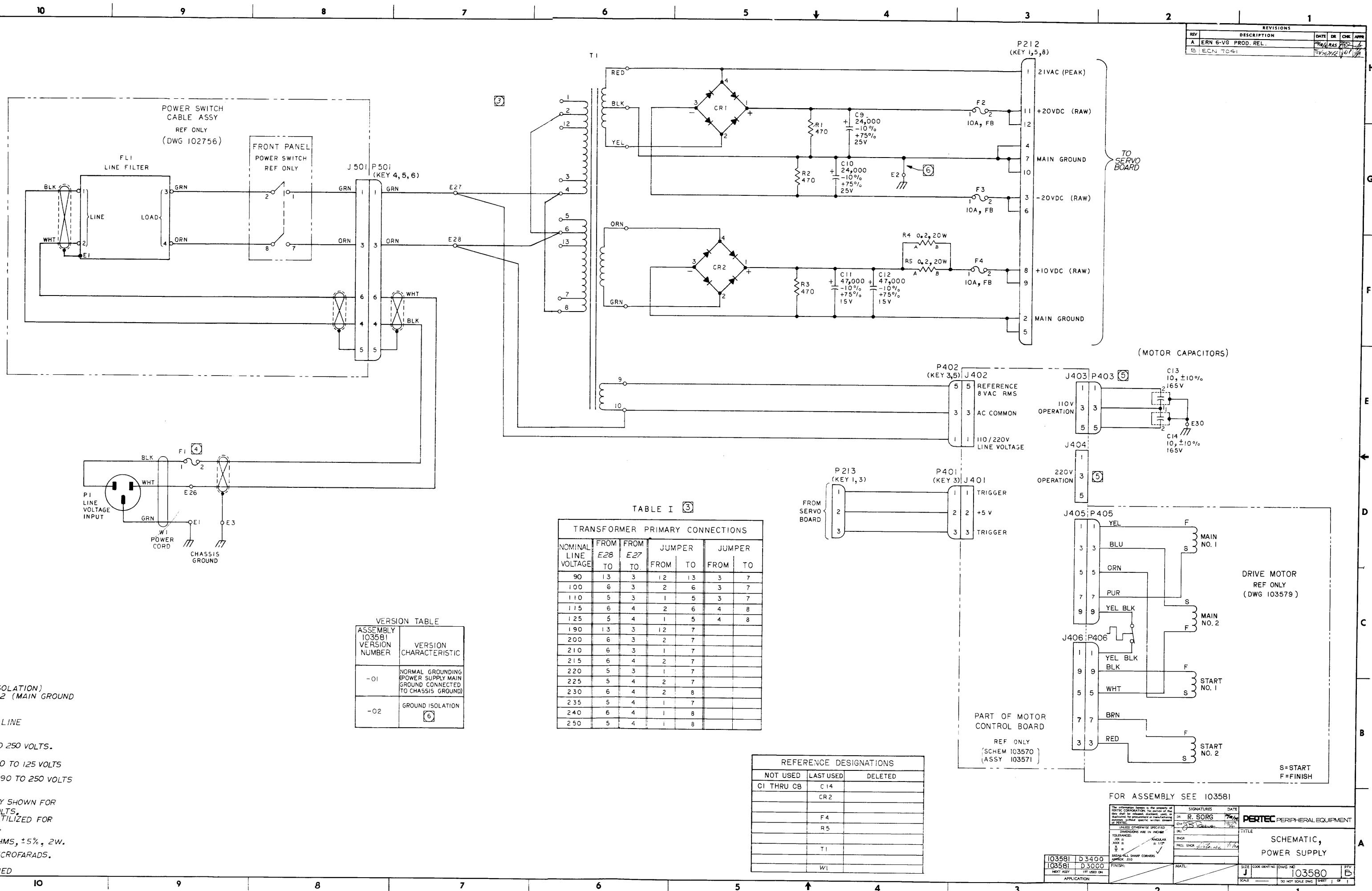


- (5) RESISTORS R4 & R5 SHOULD HAVE .100 CLEARANCE SPACE OFF THE SURFACE OF PC BOARD.
- (4) THIS ASSY SHALL BE MADE FROM PROCESS BOARD 102827-01 REV D AND SUBSEQUENT.
- (3) RUBBER STAMP ASSY PART NO. INCLUDING VERSION NO. AND VERSION ISSUE LETTER.
- 2. ASSEMBLE PER STANDARD MFG METHODS.
- I. REFERENCE DRAWINGS: SCHEMATIC — 102825
SPECIFICATION — 102829
- NOTES: UNLESS OTHERWISE SPECIFIED.

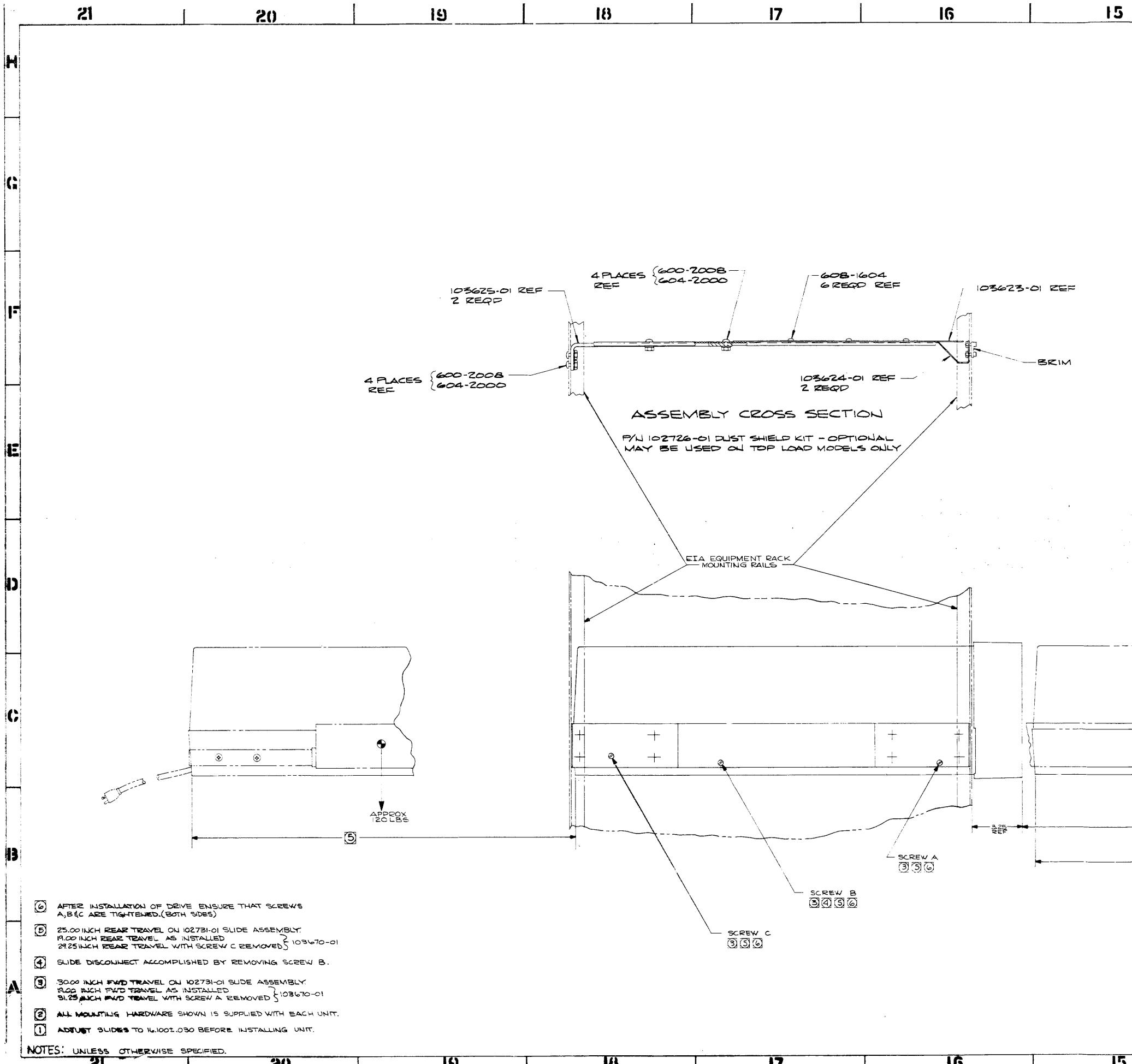
Version -01 Rev-D
FOR ASSY VERSION INFORMATION SEE SCHEMATIC 102825.
FOR LIST OF MATERIALS SEE LM102826 AND APPLICABLE DASH NO.

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DR. K. L. Linen 4-1-72		CHK. b/c	PERTEC PERIPHERAL EQUIPMENT
DES. H. S. SAWKIN 4-1-72		ENGR. A. K. L. LINEN 4-1-72	TITLE PCBA —
PROJ. ENCP. D. A. L. LINEN 4-1-72		PROJ. ENCP. D. A. L. LINEN 4-1-72	MOTOR CONTROL
102741	D3000	FINISH:	MATL:
NEXT ASSY	1ST USED ON		SIZE
APPLICATION			CODE IDENT NO.
			DWG NO.
			102826
REV	D	SCALE	2/1
		DO NOT SCALE DWG	SHEET 1 OF 1





21 20 19 18 17 16 15



17

16

15

14

13

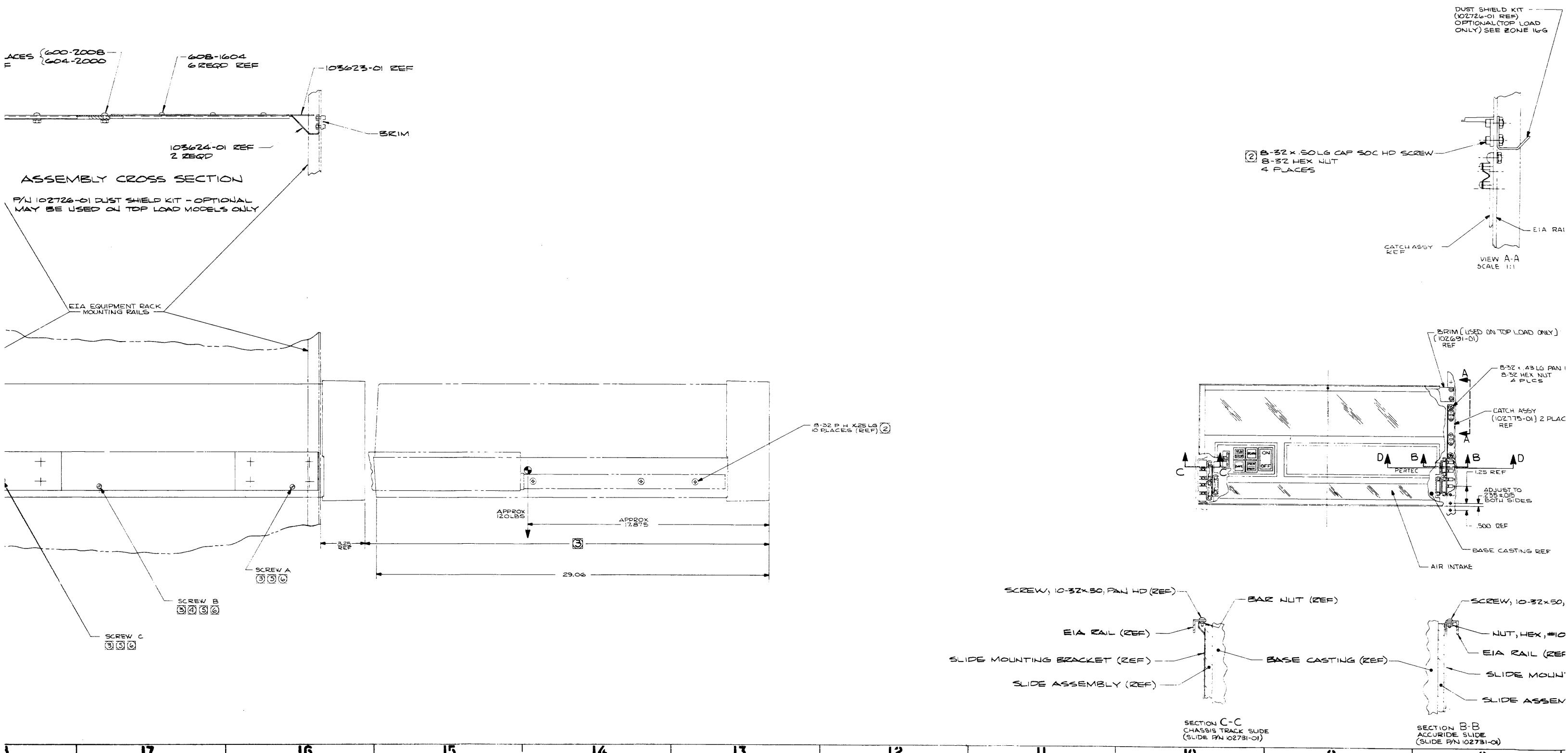
12

11

10

9

8



10 5 3 7 6 4 2 8 9

REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APP
A	ECN4-KF PRE-PROD RELEASE	1/17/86	PC	Y	Y
	ECN4-LH PRODUCTION RELEASE	1/17/86	PC	Y	Y
B	ECN 5970	1/17/86	PC	Y	Y
C	ECN 5972	1/17/86	PC	Y	Y
D	ECN 5992	1/17/86	PC	Y	Y
E	ECN 6398	1/17/86	PC	Y	Y

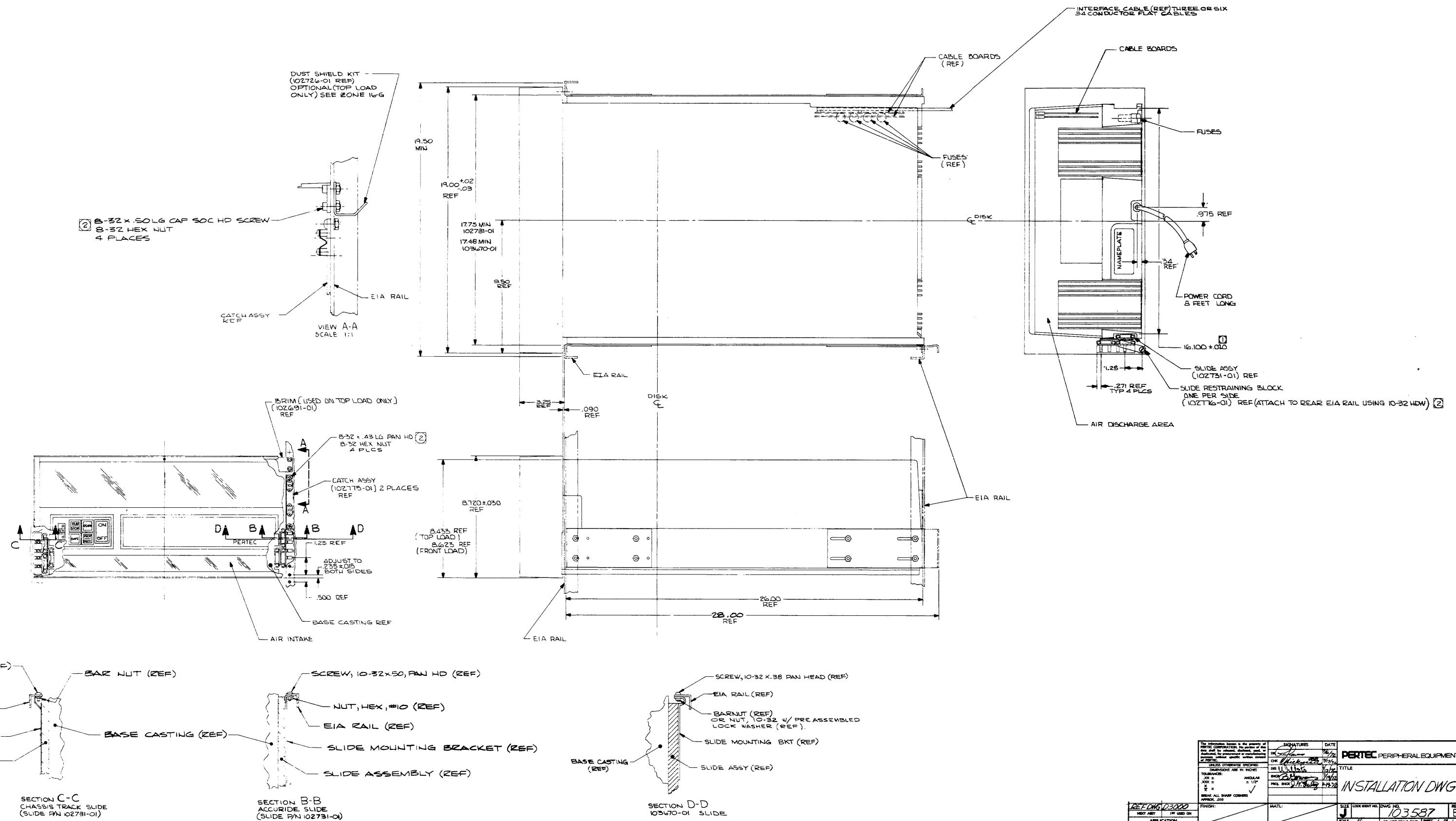
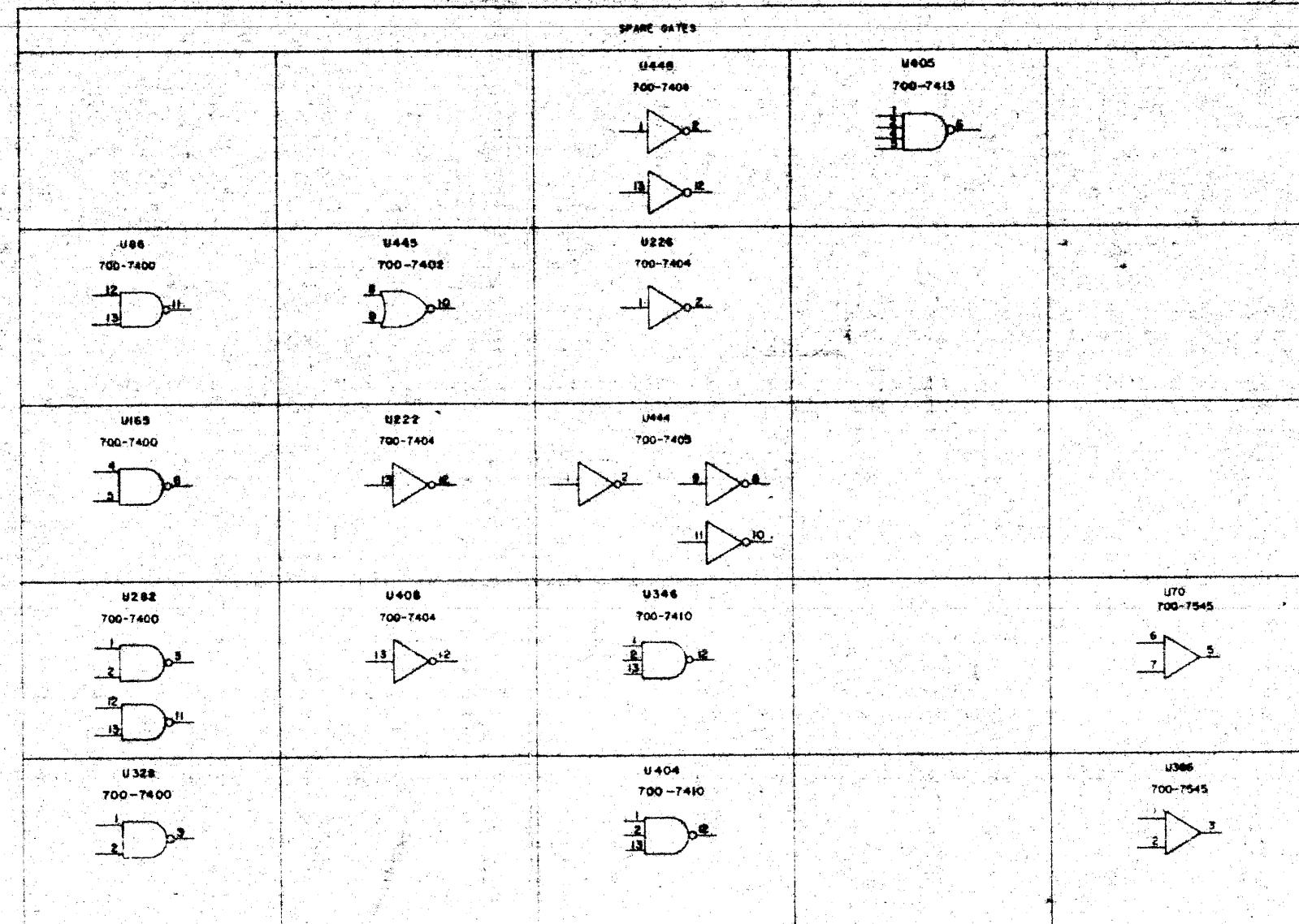


TABLE I [3]	
PART NO.	REF. DESIGNATION
100-1918	R12
100-1035	R1 THRU 8, 17THRU 24, 28, 45, 46, 47, 50, 59, 67 THRU 70, 73
100-1035	R3, 32, 33
100-1515	R9, 30
100-1525	R28
100-1545	R37
100-1825	R42
100-2215	R14
100-2715	R32, 38
100-2725	R61, 54
100-2745	R63
100-3315	R11, 40
100-3325	R33, 55
100-4715	R27, 38, 40, 49
100-4725	R10, 34, 35
100-4735	R60, 61, 64
100-5635	R62
100-5818	R15
100-6825	R33, 56
101-6805	R44, 45
104-2970	R13
104-5112	R28
104-5113	R29, 30
121-5020	R37
130-1005	C8
130-1515	C22
130-4705	C11, 15, 23
130-2215	C1
130-6805	C24
131-1020	C12
131-5330	C79, 80
132-2752	C18, 17
132-2782	C6, 7, 8, 10, 13, 14, C18, 19, 20, 28, C20, 28, 29, 30 THRU 76
136-4742	C2, 3, 8, 21, 27, 77
200-5281	G1, 2
300-4446	CR8
330-0645	CR8
400-0318	U425
400-2741	U168, 307
524-0002	Y1
103785-01 Q3	
700-4161	
U1, 4, 6, 108,	
U121, 124, 125,	
U143, 144, 145,	
U161, 164, 165,	
U181, 184, 202,	
U205, 221, 241,	
U203	
700-4164	U2, 22, 23, 43, 109
700-5107	U208, 409
700-5733	U227
700-7400	U49, 86, 97, U165, 223, 246, 282, 304, 328, U343, 385, 403
700-7402	U48, 63, 82, 108, U128, 183, 187, U268, 284, 324, U327, 383, 406, 408
700-7404	U42, 50, 51, 71, U72, 81, 102, U123, 162, 185, U186, 222, 224, U226, 303, 348, U362, 363, 365, U401, 408, 423, U448
700-7405	U147, 444, 445, U447
700-7410	U107 U264, 266, 326, U346, 361, 404
700-7415	U296, 405
700-7430	U306, 442
700-7450	U62, 84, 85, 89, U104, 105
700-7476	U83, U129, 142, 163, U167, 203, 206, U242, 243, 267, U341, 344, 345, U364, 384, 328
700-7483	U382, 421
700-7485	U422, 441, 443
700-7493	U225, 245, 265, U285, 305, 325
700-7496	U88, 10, U182, 244, 323, 347
700-7419	U267, 302, 308, U321, 342, 361
700-7845	U3, 44, 45, 46, 47, U64, 65, 66, 67, U68, 69, 70, 386, U407, 424
700-7480	U261, 262, 291
700-7490	U127, 146



REFERENCE DESIGNATIONS		
LAST USED	NOT USED	DELETED
A90	C4	
CR6		
Q3		
J128	J115 THRU J20	
R74	R16	
TP30		
U448	U4 THRU 21, 24 THRU 40, U52 THRU 60, 73 THRU 80, U80 THRU 100, 103, 110 THRU 120, U126, 130 THRU 161, 148 THRU 180, U185 THRU 189, 189 THRU 201, U204, 207 THRU 220, 228 THRU 240, U247 THRU 260, 269 THRU 280, U288 THRU 300, 307, 309 THRU 320, U329, 340, 349 THRU 360, U366 THRU 380, 388 THRU 400, U410 THRU 420, 426 THRU 440	
W26		
Y1		

ASSY 105705 VERSION NUMBER	TRACKS PER INCH	INTERNAL TERMINATION	TERM VOL. FEED	W23	W24	W25
				P/N	R/N	R/N
-01	X		X			
-02		X	X			
-03	X					
-04		X				
-05	X		X			
-06		X	X			
-07	X					
-08		X				
-09		X	X			
-10	X		X			
-31	X		X			
-32		X	X			
-33	X					
-34		X				
-35	X		X			
-36		X	X			
-37	X					
-38		X				
-39	X		X			
-40		X	X			

TABLE III [4]

ASSY 105705 VERSION NUMBER	W23	W24	W25	USAGE		
				P/N	R/N	R/N
105705	100-0005	100-0005	100-0005			
-01	USE	OMIT	USE			
-02						
-03						
-04						
-05						
-06						
-07						
-08						
-09	USE	OMIT	USE			
-10	U-1	CMP	H/P			
-31	OMIT	USE	OMIT			
-32						
-33						
-34						
-35						
-36						
-37						
-38						
-39	OMIT	USE	OMIT			
-40	OMIT	USE	OMIT			

TABLE II 3

ASSY 103705 VERSION NUMBER	TRACKS PER INCH		INTERNAL TERMINATION VOLTAGE POWER SUPPLY	TERMINATION VOLTAGE FEED-THRU	GROUND ISOLATION	SPECIAL INTERFACE SIGNAL OPTION FOR SAFE CONDITION INDICATION	READY SIGNAL GATED BY INTERNAL TEMP GO 200 TPI ONLY	200 TPI INTERNAL TEMP GO	+5V TIMER		C81 THRU CR4 P/N 300-4002	C79 P/N 137-2230	R26,26 P/N 100-1815	R71	R72 P/N 101-1825	U301,322 P/N 700-7419	U402 P/N 700-7483	W1 P/N 100373-02	W3 P/N 100373-01	W4 P/N 100373-01	W5 P/N 100373-01	W6 P/N 100373-01	W7 P/N 100373-01	W8 P/N 100373-01	W9 P/N 100373-01	W10 P/N 100373-01	W11 P/N 100373-01	W12 P/N 100373-01	W13 P/N 100373-01	W14 P/N 100373-01	W15 P/N 100373-01	W16 P/N 100373-01	W17 P/N 100373-01	W18 P/N 100373-01
	100	200																																
-01	X	X	X																															
-02	X	X	X																															
-03	X	X	X																															
-04	X	X	X																															
-05	X	X	X																															
-06	X	X	X																															
-07	X	X	X																															
-08	X	X	X																															
-09	X	X	X																															
-10	X	X	X																															
-31	X	X	X																															
-32	X	X	X																															
-33	X	X	X																															
-34	X	X	X																															
-35	X	X	X																															
-36	X	X	X																															
-37	X	X	X																															
-38	X	X	X																															
-39	X	X	X																															
-40	X	X	X																															

TABLE II 4

ASSY 103705 VERSION NUMBER	W23 P/N 100-0005	W24 P/N 100-0005	W25 P/N 100-0005	W26 P/N 100-0005
	W23 P/N 100-0005	W24 P/N 100-0005	W25 P/N 100-0005	W26 P/N 100-0005
USAGE				
-01	USE	OMIT	USE	OMIT
-02	↑	↑	↑	↑
-03				
-04				
-05				
-06				
-07				
-08				
-09	USE	OMIT	USE	OMIT
-10	↓	↓	↓	↓
-31	OMIT	USE	OMIT	USE
-32	↑	↑	↑	↑
-33				
-34				
-35				
-36				
-37				
-38	↓	↓	↓	↓
-39	OMIT	USE	OMIT	USE
-40	OMIT	USE	OMIT	↑

TABLE II CONTINUED (ZONE 12E)

74-17 A SELECTED RESISTOR PER TEST PROCEDURE NO. 3746

THIS SIGNAL IS JUMPERED TO WI-B (WI JUMPER DELETED)
OR SPECIFIC INTERFACE "SAFE" SIGNAL.

SIDE OF W2 ----- TO BE DETERMINED AT TOP ASSY LEVEL

ALL CAPACITOR VALUES ARE IN MICROFARADS, 1200V, 300V

THE AND 514 ARE USED AND NO. 515 IS USED ONLY IN
ROUND ISOLATION VERSIONS. SEE TABLE II FOR VERSION
NUMBER. NO. 515 MUST BE USED FOR ALL OTHER
VERSIONS.

E2, AND E3 ARE TEST PADS INTENDED FOR USE WITH
MINIATURE OSCILLOSCOPE PROBE TIPS WHICH WILL
FIT ON A .030 DIAMETER HOLE.

OR PART NUMBER AND USAGE OF COMPONENTS
EFFECTED BY VERSION NUMBER SEE TABLE II

OR PART NUMBER OF COMPONENTS NOT AFFEFFECTED
BY VERSION NUMBER SEE TABLE I.

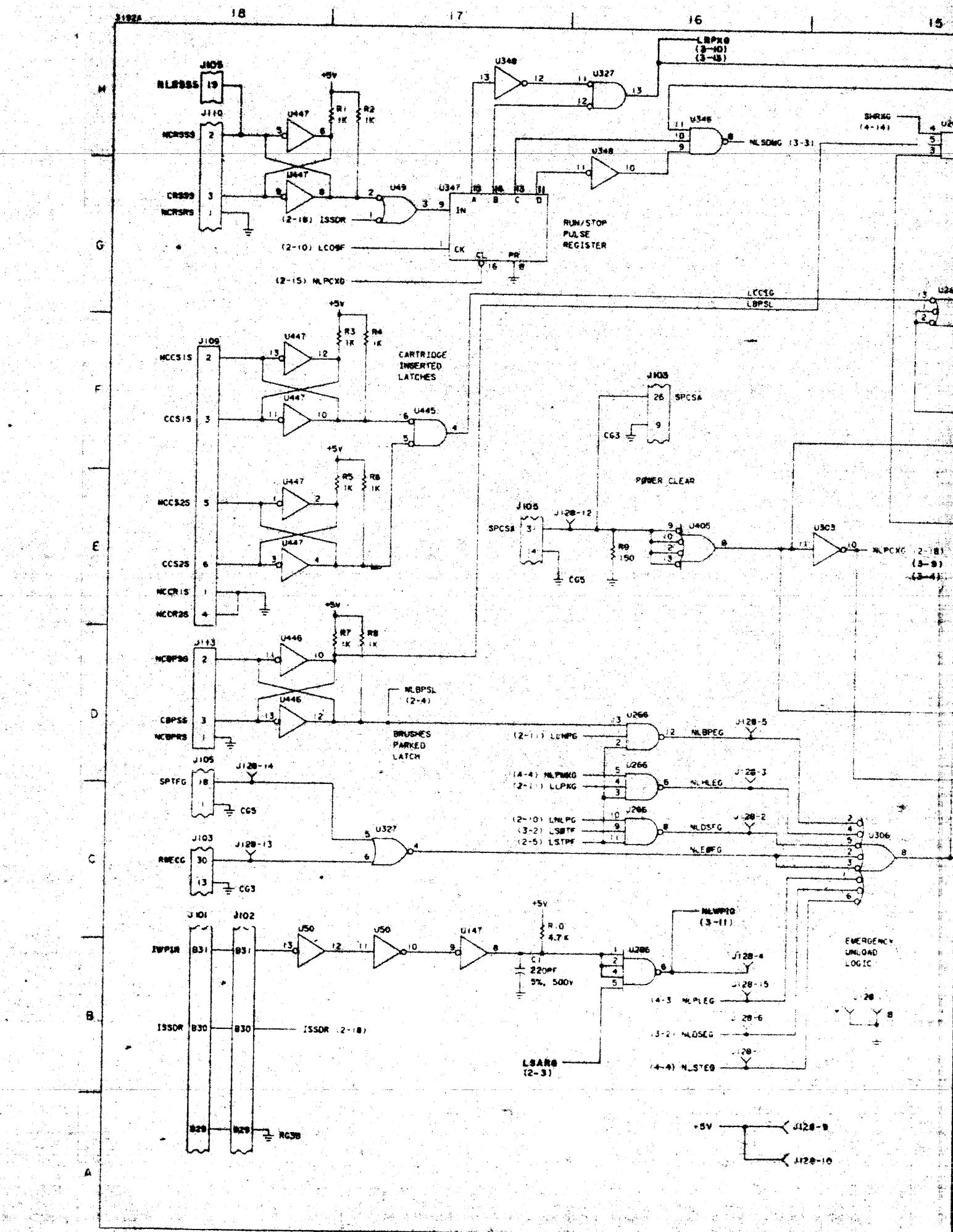
SIGNALS ARE CROSS-REFERENCED BETWEEN SHEETS
AND WITHIN A SHEET BY NUMBERS APPEARING WITH THE
ASSOCIATED LOGIC TERM MNEMONIC. THE FIRST NUMBER
IS THE SHEET NUMBER AND THE SECOND NUMBER IS THE ZONE
NUMBER. EXAMPLE: 13-121

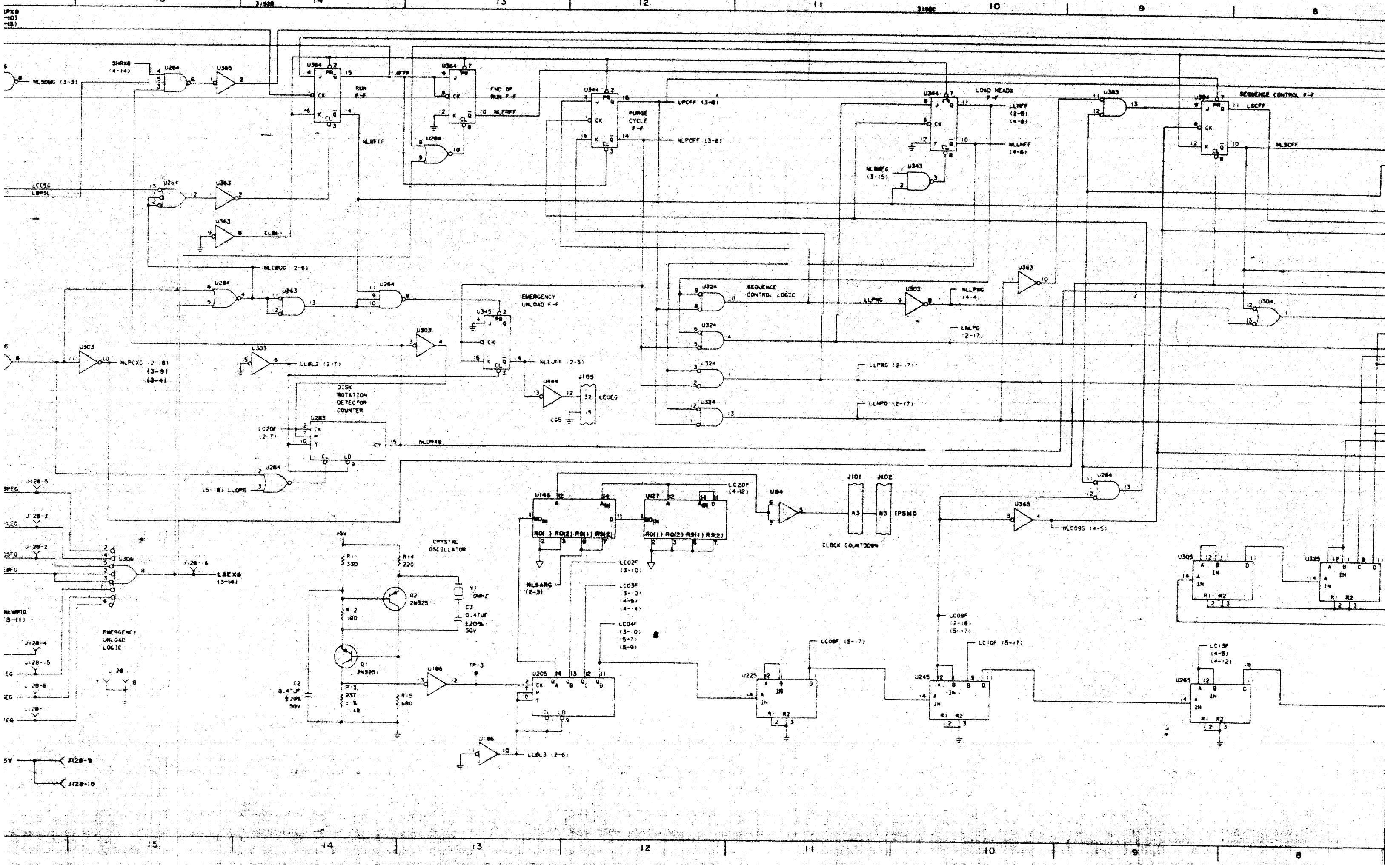
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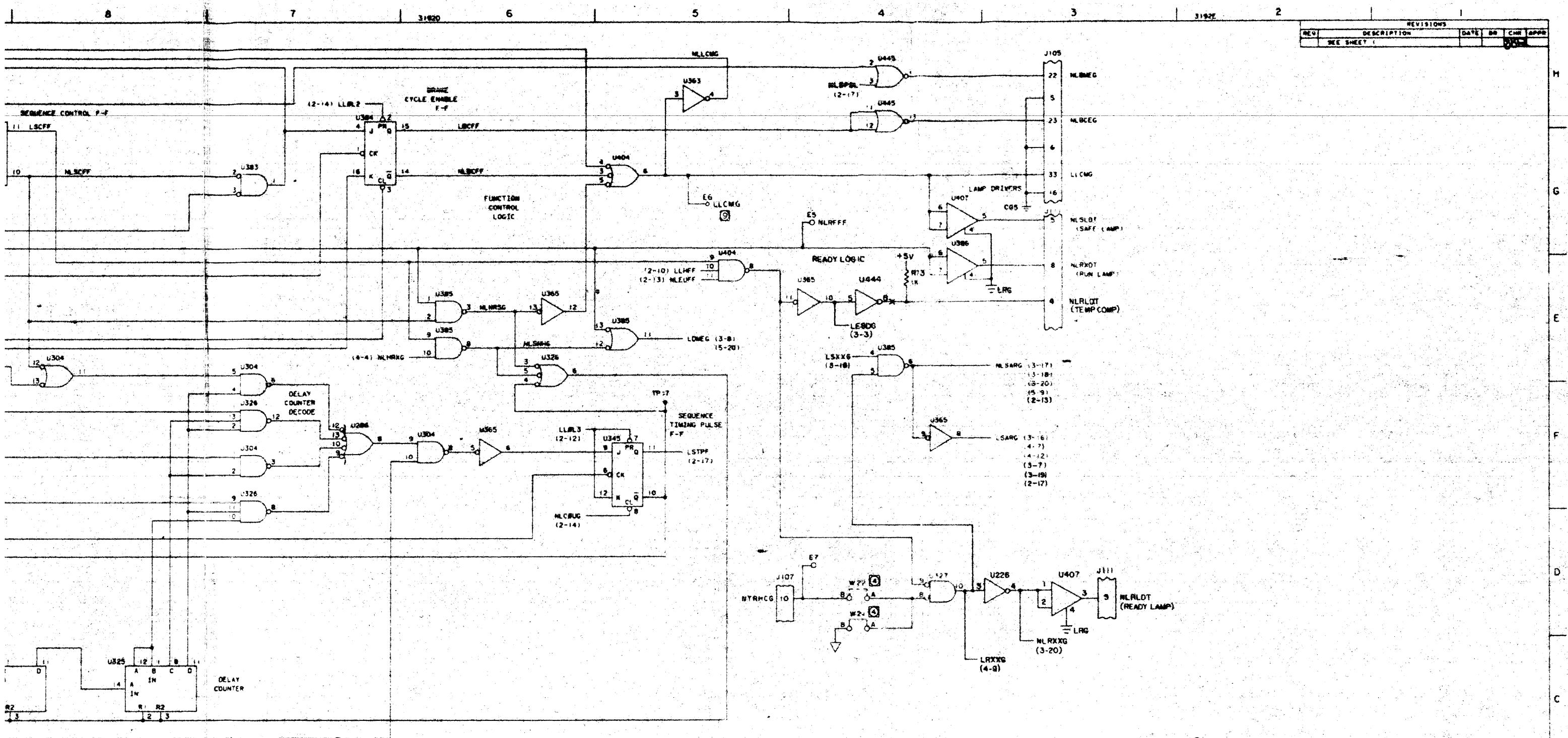
DEFENCE DRAWINGS

WELL BUSINESS

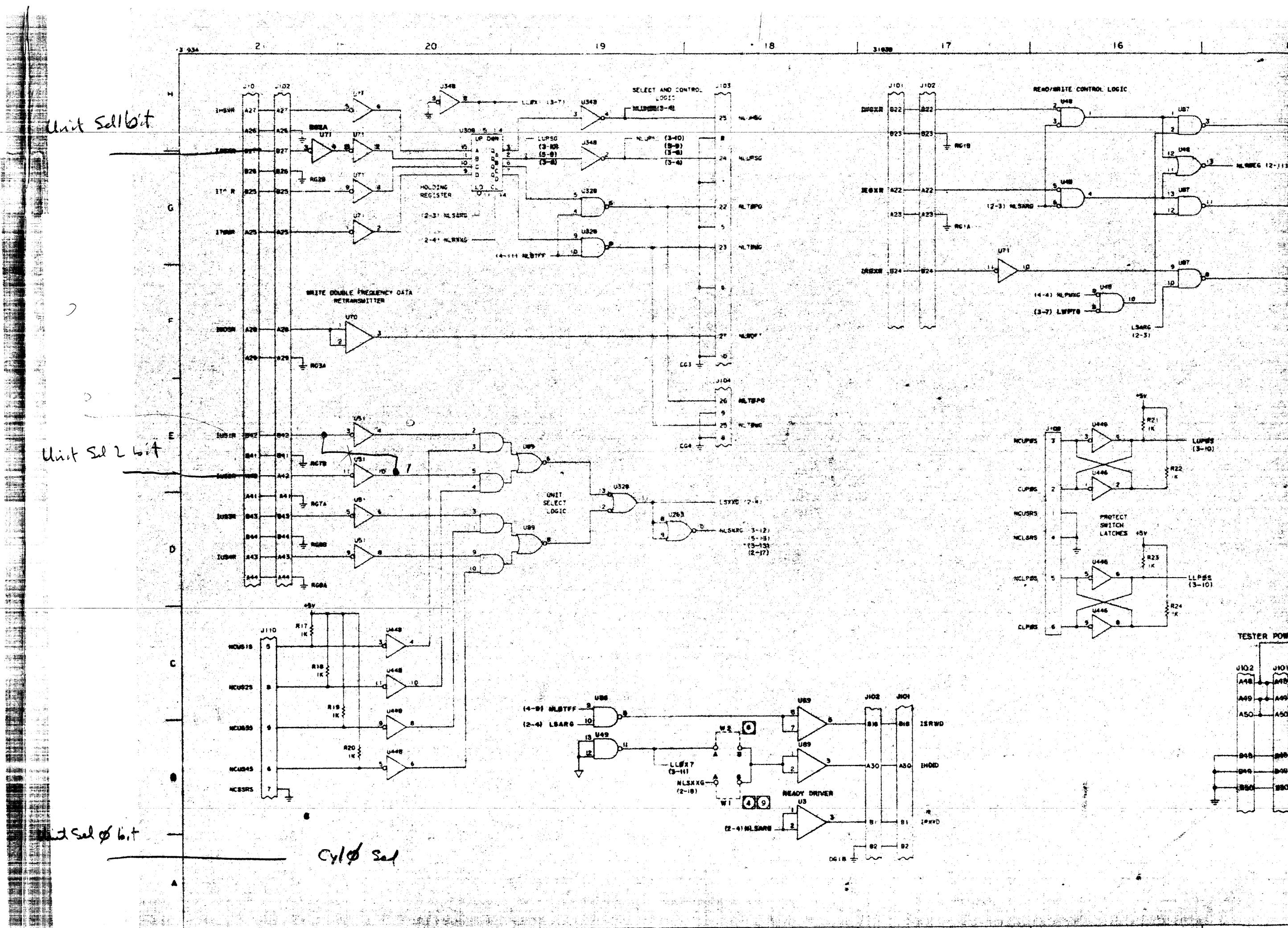
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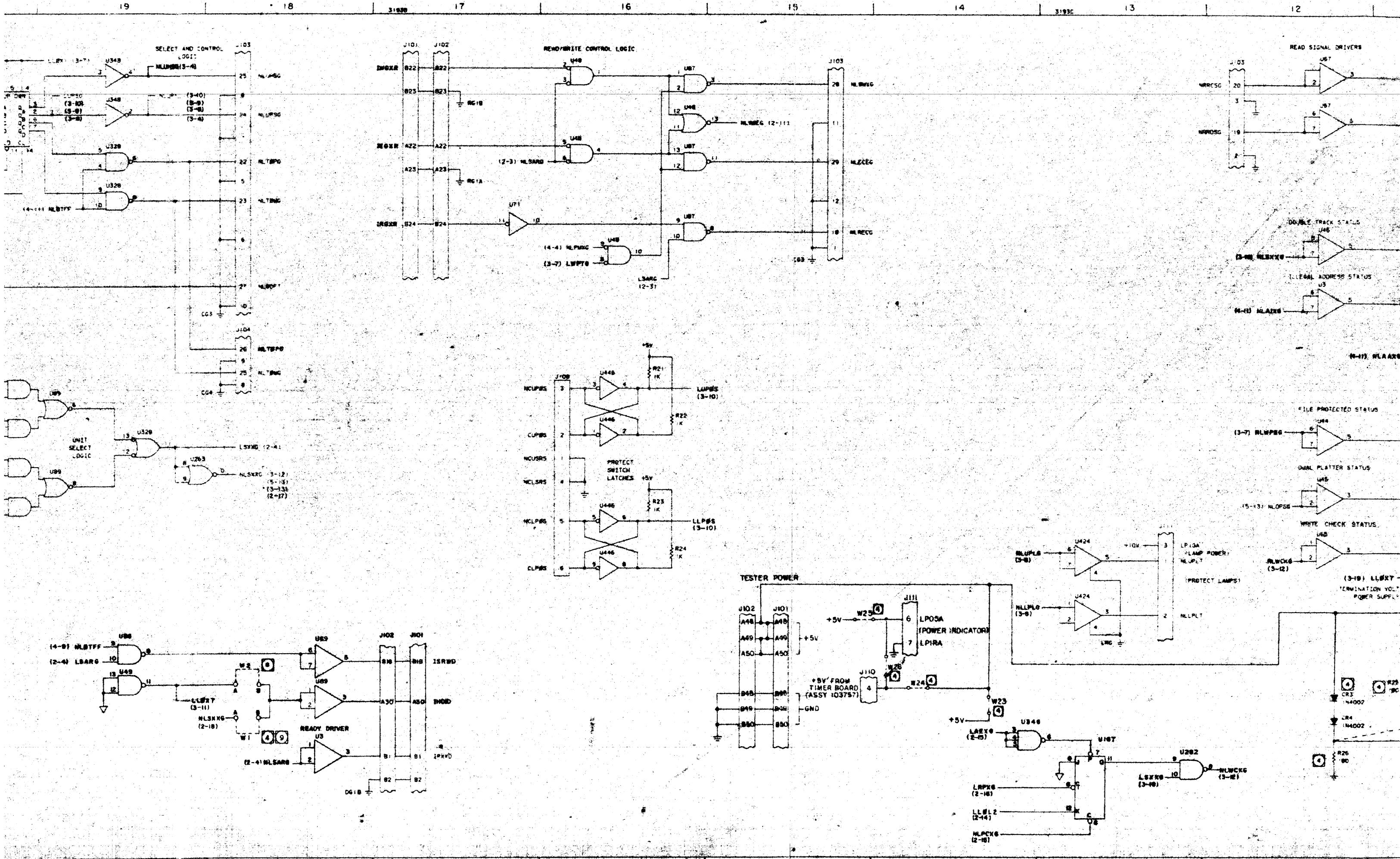


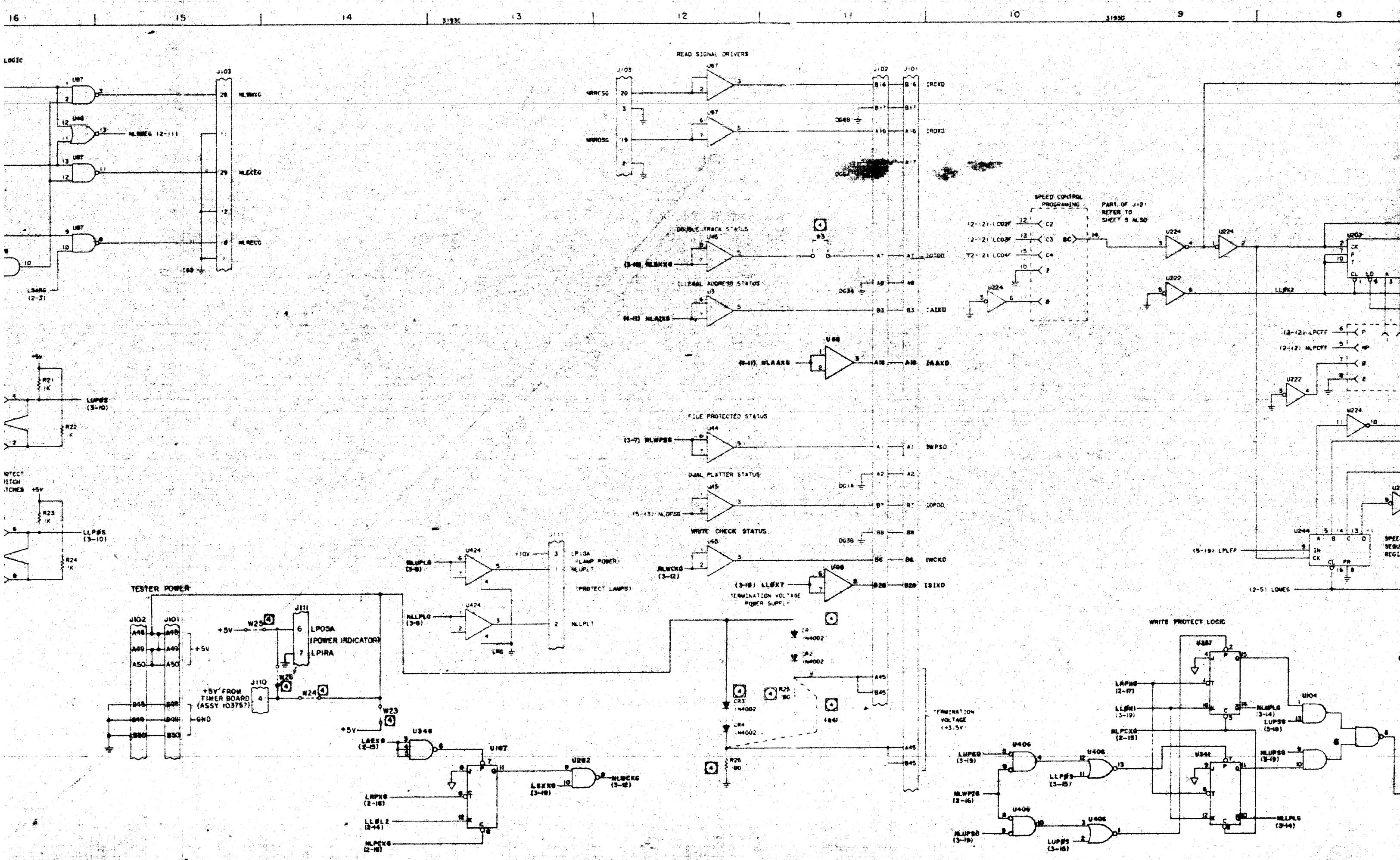


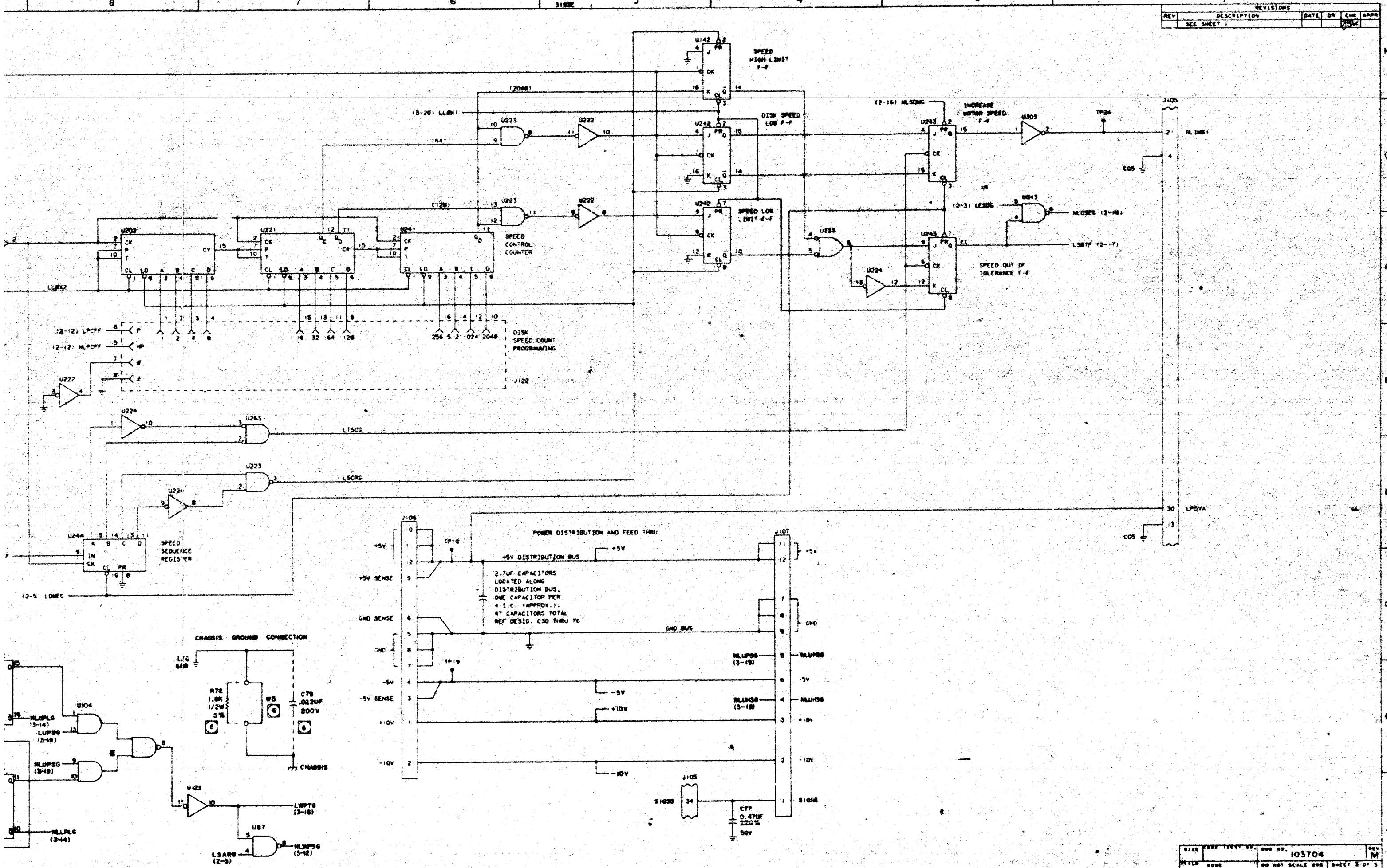


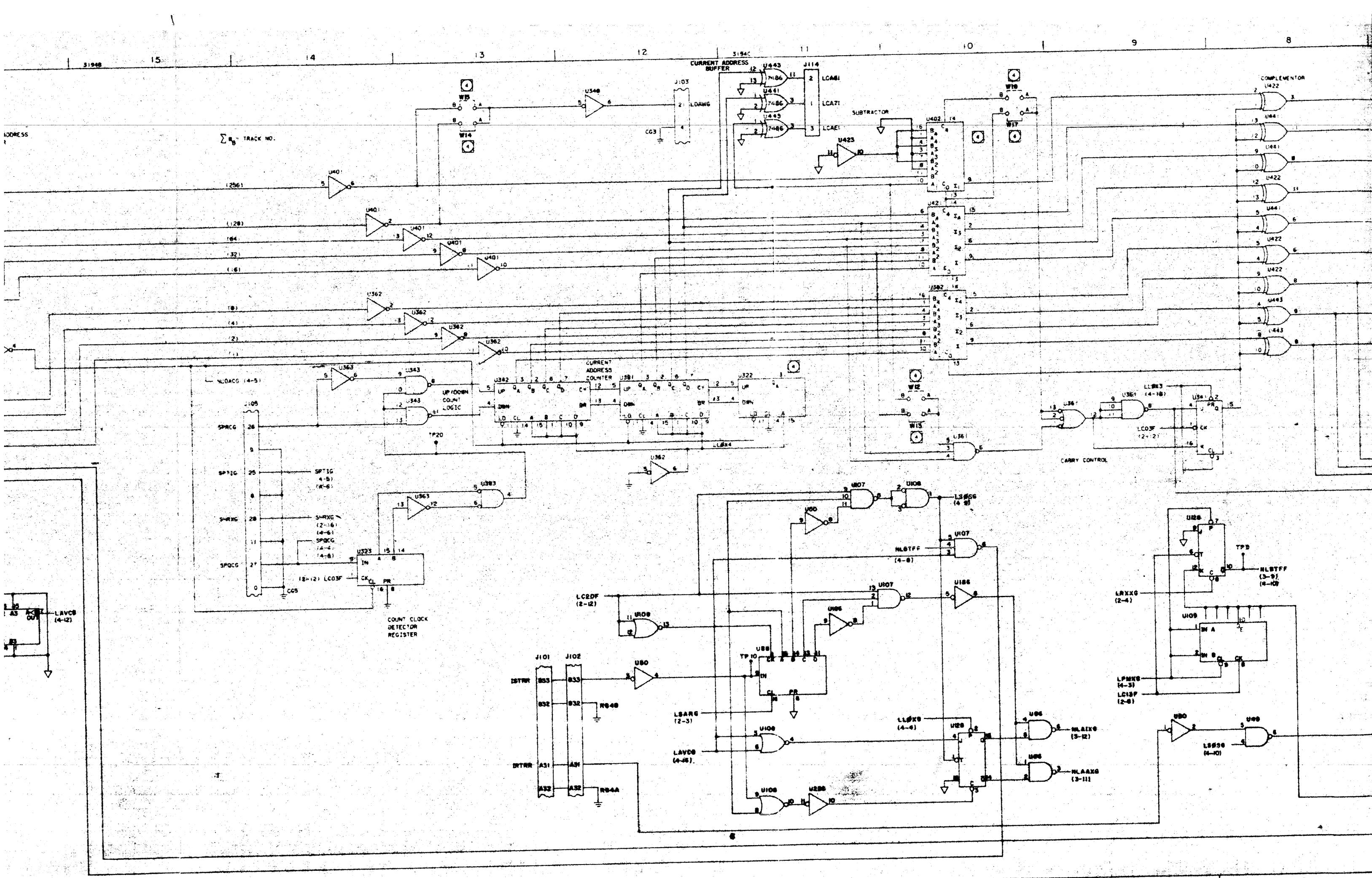
SIZE	TYPE	BODY NO.	DATA REC.	REV
			103704	M
SCALE		NAME	DO NOT SCALE THIS SHEET - 2 OF 5	

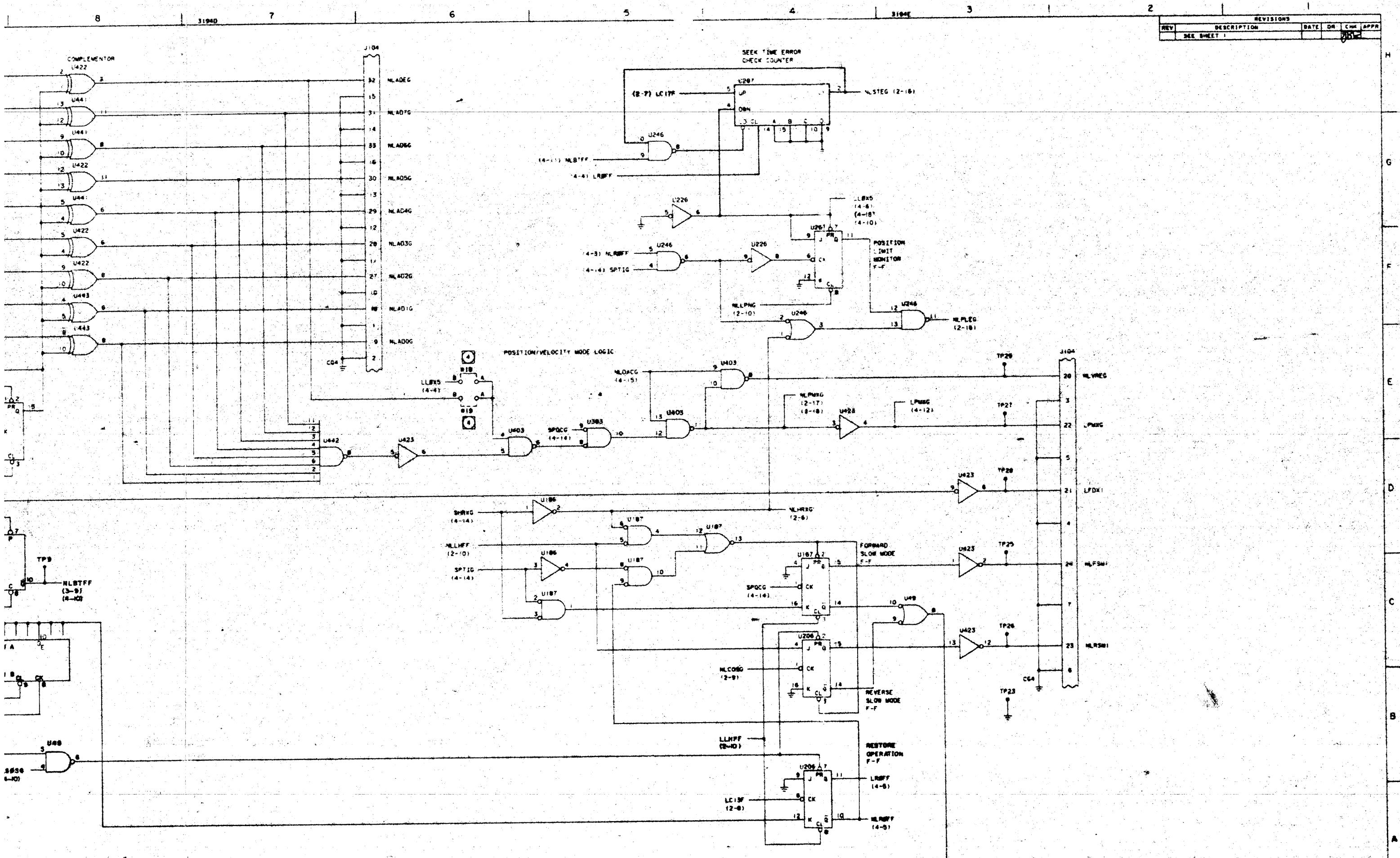


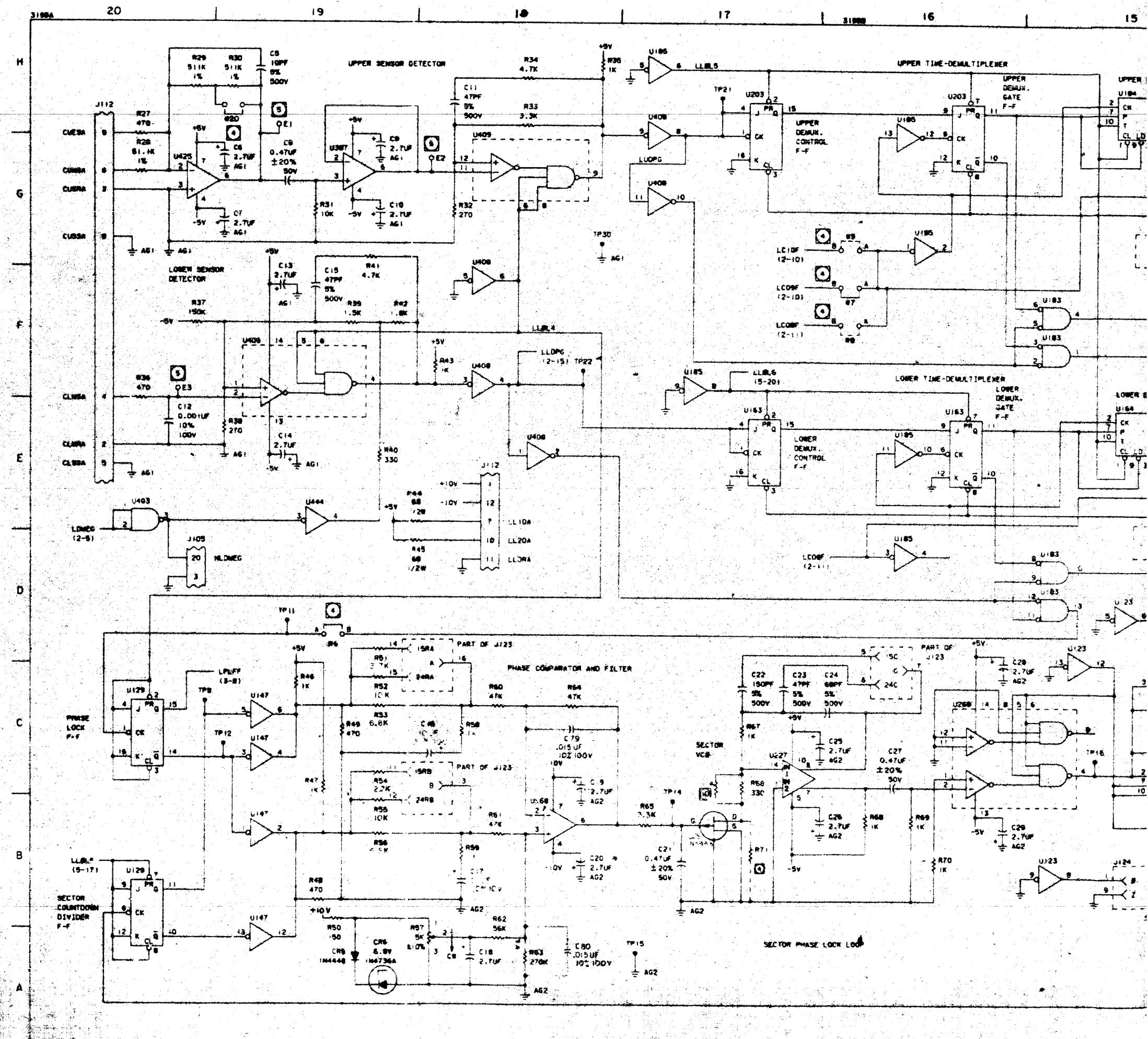


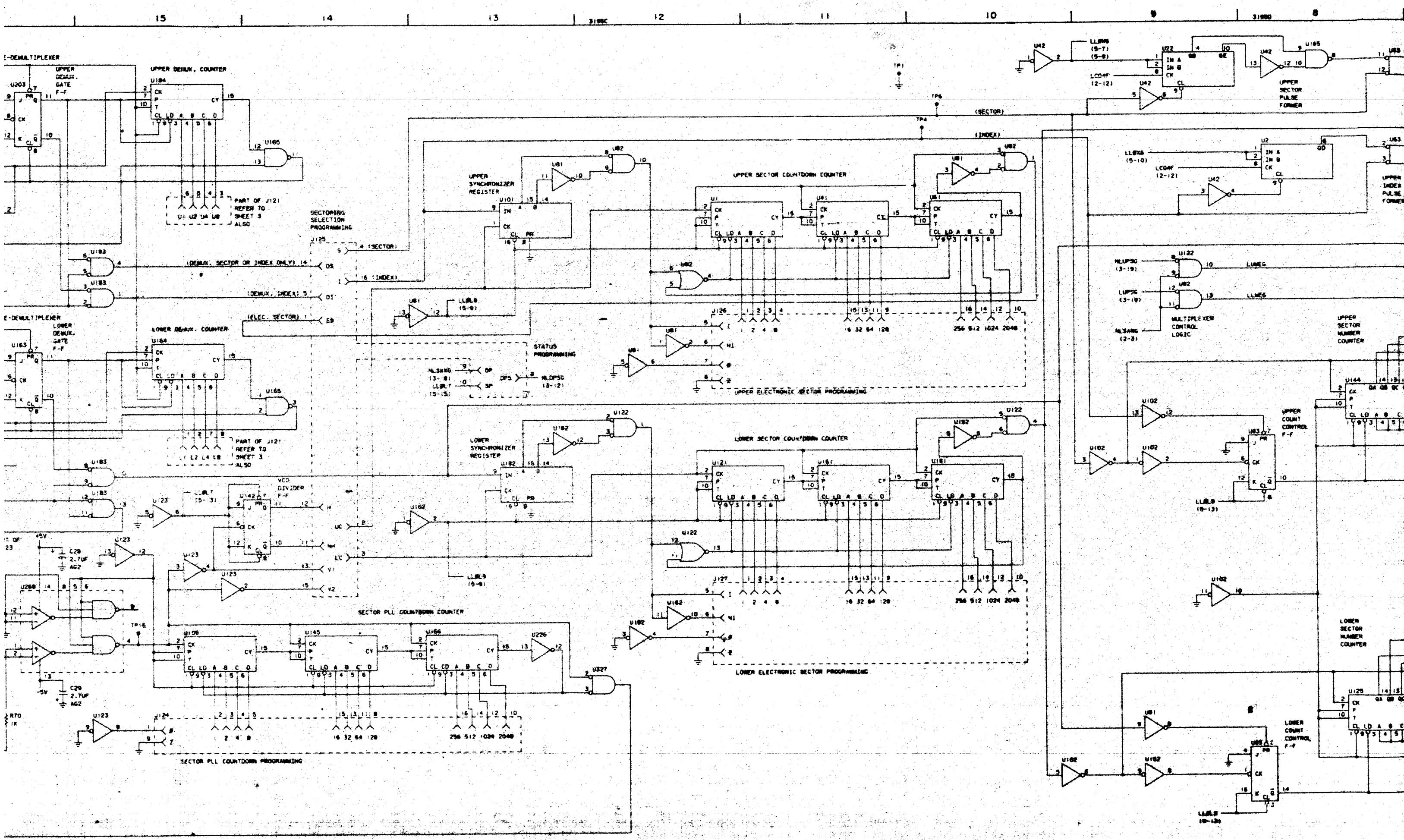


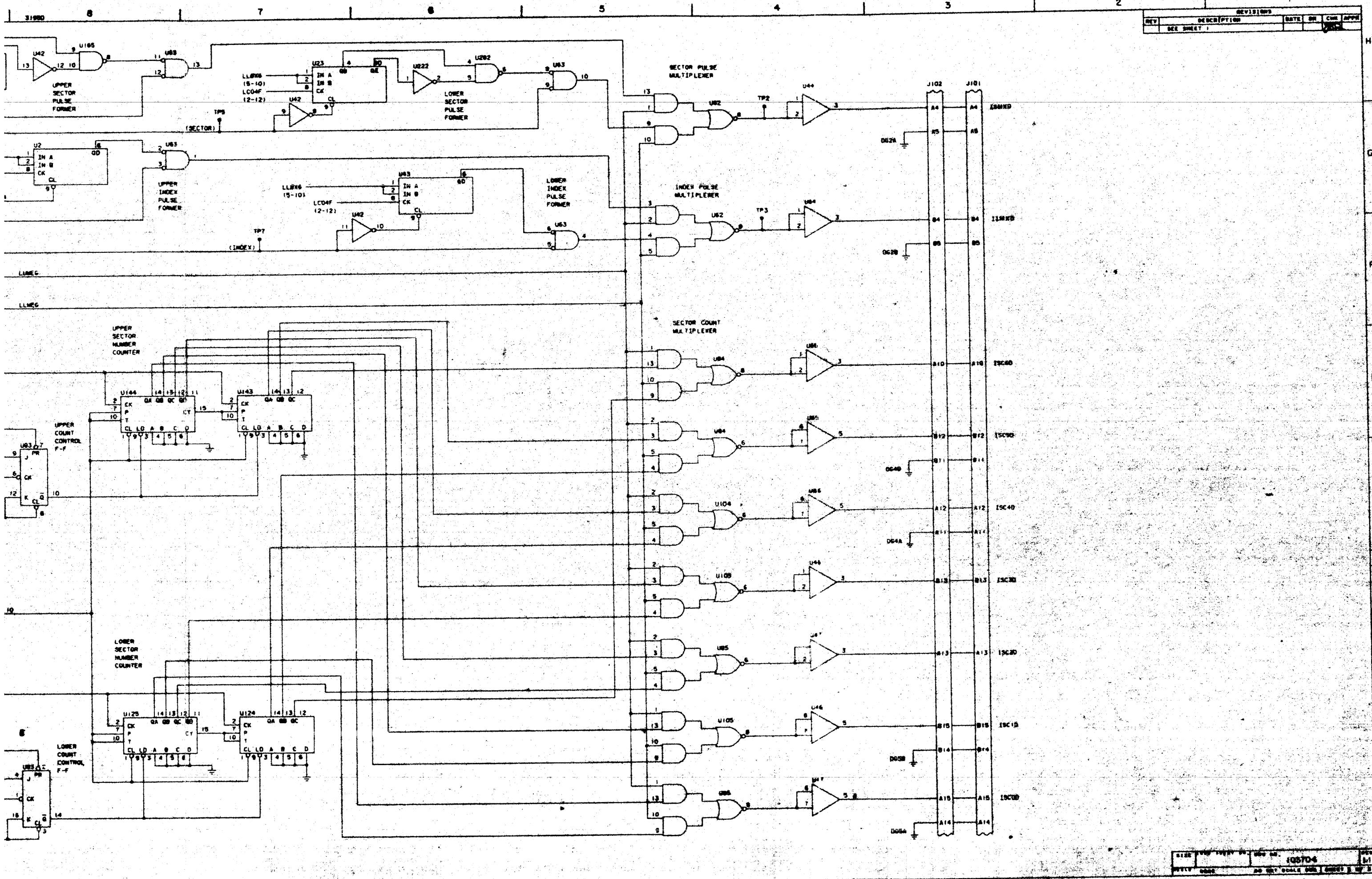


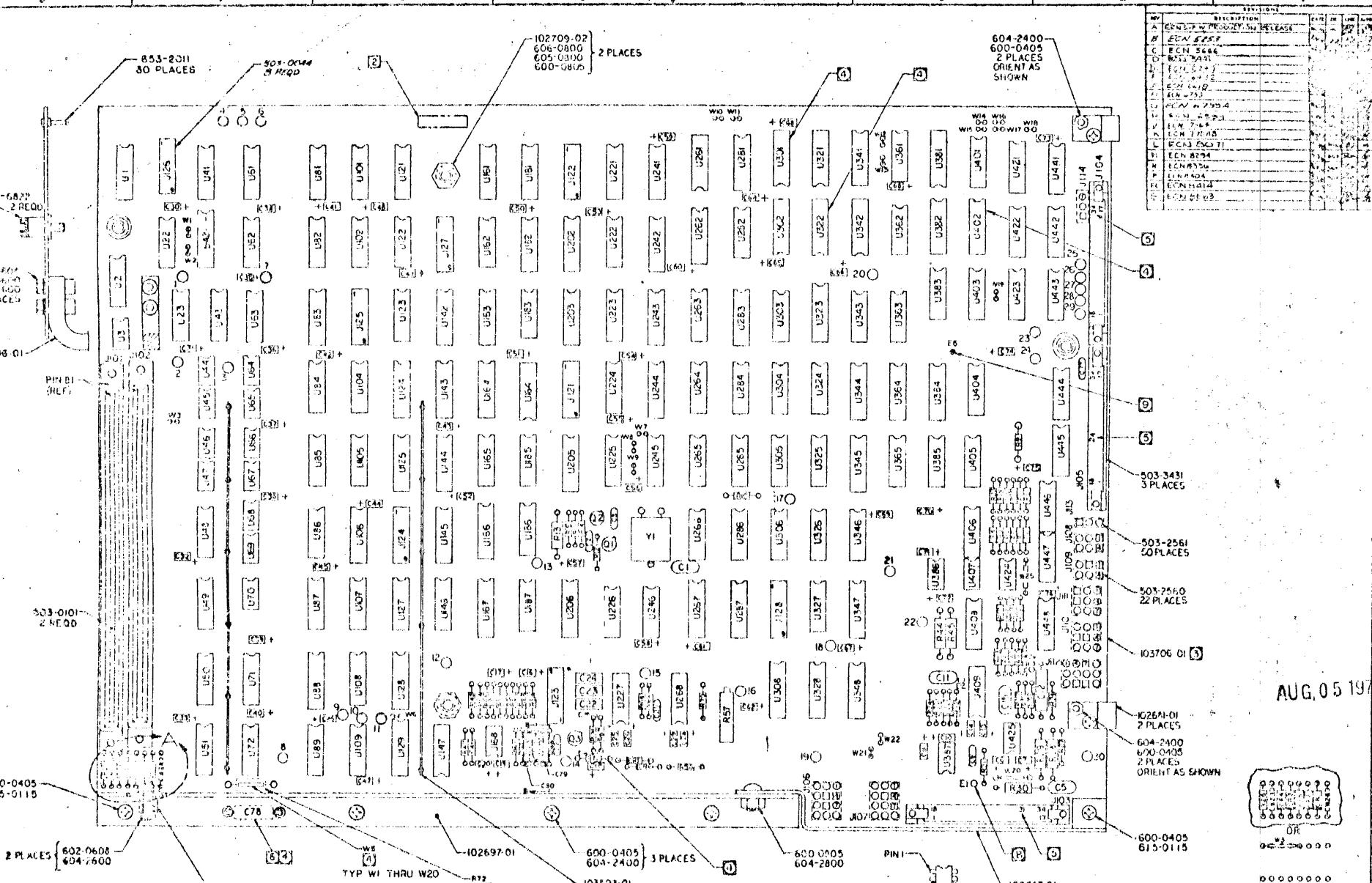












E1,E2,AND E3 ARE TEST PADS INTENDED FOR USE WITH
MINIATURE OSCILLOSCOPE PROBE TIPS WHICH WILL
FIT IN A .040 DIA HOLE

5 USED IN GROUND ISOLATION MOD AT NEXT ASSY
SUCH AS 4000 DEEP EARTH BURRS

5 SHOW FOR REFERENCE ONLY.
4 KEY CONNECTOR BY REMOVING DESIGNATED PIN.
3 FOR USAGE OF COMPONENTS SHOWN SEE 307004, TABLE II.
THIS ASSEMBLY IS MADE FROM PROCESS BOARD 103700-
REV E, SHEET 1 OF 4.

REVIEW AND APPROVAL
MARK FRIED AND MARY L. INCLUDING VERSION
WILLIAM E. COOPER, LETTER.
I. ASSEMBLED PER STANDARD MFG. METHODS.
NOTES: UNLESS OTHERWISE SPECIFIED

**R74 IS A SELECTED RESISTOR PER TEST PROCEDURE
103784.**

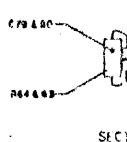
II. REMOVE EXISTING BLANK PIN AT PHII-4 POSITION AND
INSTALL PHII-4 OF 103453-01 INTO SAME POSITION. APPLIES
TO PRO TPI ONLY.

⑧ PAD FOR INTERNAL TEMPERATURE GO CONDITION INDICATION
JUMPER, PART NO. 691-6030 TO SIGNAL DRIVER INPUT PAD
W/ B TOR 102, 04, 06, -08, -10, -12, -14, -16, -18, -20
VERSIONS THAT HAVE A 100 DIA. HOLE

9 ADJ. JUMPER PART NO. 6-9-5000, BETWEEN PG AND W1-B
FOR SAME CONDITION SPECIAL INTERFACE SIGNAL OPTION.

FOR LIST OF MATERIALS SEE [] DETAIL A
LM 103705 AND APPLICABLE DASH NO.
FOR SPECIFICATION SEE 103708.
FOR ASSY VERSION INFORMATION SEE SCHEMATIC
103704.

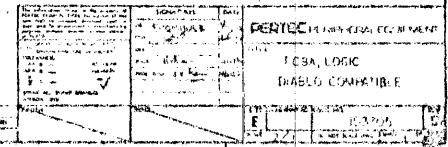
PART NO. 103705 020E V77



EX-1001 CT9 & 80
PAGE/PACK AS UNKNOWN
104 & 63 RESPECTIVELY



SECTION 8-B



SPARE GATES			
	U448 700-7404 	U405 700-7413 	
U86 700-7400 	U445 700-7402 	U226 700-7404 	
U165 700-7400 	U408 700-7404 	U444 700-7405 	
U282 700-7410 	U222 700-7404 	U34A 700-7410 	U70 700-7545
U328 700-7400 		U404 700-7410 	U386 700-7545

ASSY 103726 VERSION NUMBER	VERSION CHARACTERISTICS								C78 P/N 137-2230	C79 P/N 101-1025	C72 P/N 100-7410	
	TRACKS PER INCH	100	200	INTERNAL TERMINATION VOLTAGE POWER SUPPLY	TERMINATION VOLTAGE FEED-THRU	GROUND ISOLATION	SPECIAL INTERFACE SIGNAL OPTION FOR SAFE CONDITION INDICATION	READY SIGNAL GATED BY INTERNAL TEMP GO 200 TPI ONLY				
-01	X											OMIT
-02		X										OMIT
-03	X				X							OMIT
-04		X			X							OMIT
-05	X			X								USE
-06		X		X		X						USE
-07	X			X	X							USE
-08		X		X	X							USE
-09	X			X			X					OMIT

REFERENCE DESIGNATIONS		
LAST USED	NOT USED	DELETED
C78	C4	
CR6		CR1, CR2
Q3		
J128	J15 THRU J20	
R74	R16	R26
TP30		
U448	U4 THRU 21, 24 THRU 40, U52 THRU 60, 73 THRU 80 U80 THRU 100, 103, 110 THRU 120, U126, 130 THRU 141, 148 THRU 160, U168 THRU 180, 188 THRU 191, U204, 207 THRU 220, 228 THRU 240, U247 THRU 260, 269 THRU 280, U288 THRU 300, 307, 309 THRU 320, U329 THRU 340, 349 THRU 360, U366 THRU 380, 388 THRU 400, M410 THRU 420, 428 THRU 440	
W23	W2	9
Y1		

REV.		DESCRIPTION	DATE	ON	CHEK	APPR.
103726-1		SCHEMATIC LOGIC BOARD	10-10-74			
REVISIONS						

W1	W3	W4	W6	W7	W9	W10	W11	W12	W13	W14	W15	W16	W17	W18	W19	W21	W22	W20	W8	W5	W23	ASSY	
P/N 103726-01	P/N 103596-01	P/N 100373-01																	P/N 103726-01	P/N 103596-01	P/N 100373-01	6916030	VERSION NUMBER
103726-01	103596-01	100373-01																	103726-02	103596-01	100373-01	6916030	
USE	OMIT	OMIT	USE	USE	OMIT	USE	USE	01															
USE	OMIT	OMIT	USE	USE	OMIT	USE	USE	02															
OMIT	USE	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	03	
USE	USE	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	04	
OMIT	USE	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	05	
USE	OMIT	OMIT	USE	USE	OMIT	USE	OMIT	06															
USE	OMIT	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	07	
OMIT	USE	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	08	
USE	USE	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	USE	OMIT	09	

(1) THIS SIGNAL IS JUMPERED TO W1-B (W1 JUMPER DELETED) FOR SPECIAL INTERFACE "SAFE" SIGNAL.

(2) THIS SCHEMATIC IS IDENTICAL TO THE 103704 LOGIC SCHEMATIC EXCEPT WHERE INDICATED.

(3) (DELETED)

(4) ALL CAPACITOR VALUES ARE IN MICROFARADS, ±20%, 35V.

(5) R72 AND C7B ARE USED AND #5 OMITTED ONLY IN GROUND ISOLATION VERSIONS. SEE TABLE II FOR VERSION NUMBER. #5 MUST BE USED FOR ALL OTHER VERSIONS.

(6) E1, E2, AND E3 ARE TEST PADS INTENDED FOR USE WITH MINIATURE OSCILLOSCOPE PROBE TIPS WHICH WILL FIT IN A .040 DIAMETER HOLE.

(7) FOR PART NUMBER AND USAGE OF COMPONENTS AFFECTED BY VERSION NUMBER SEE TABLE II.

(8) FOR PART NUMBER OF COMPONENTS NOT AFFECTED BY VERSION NUMBER SEE TABLE I.

(9) ALL RESISTOR VALUES ARE IN OHMS, ±5% 1/4W.

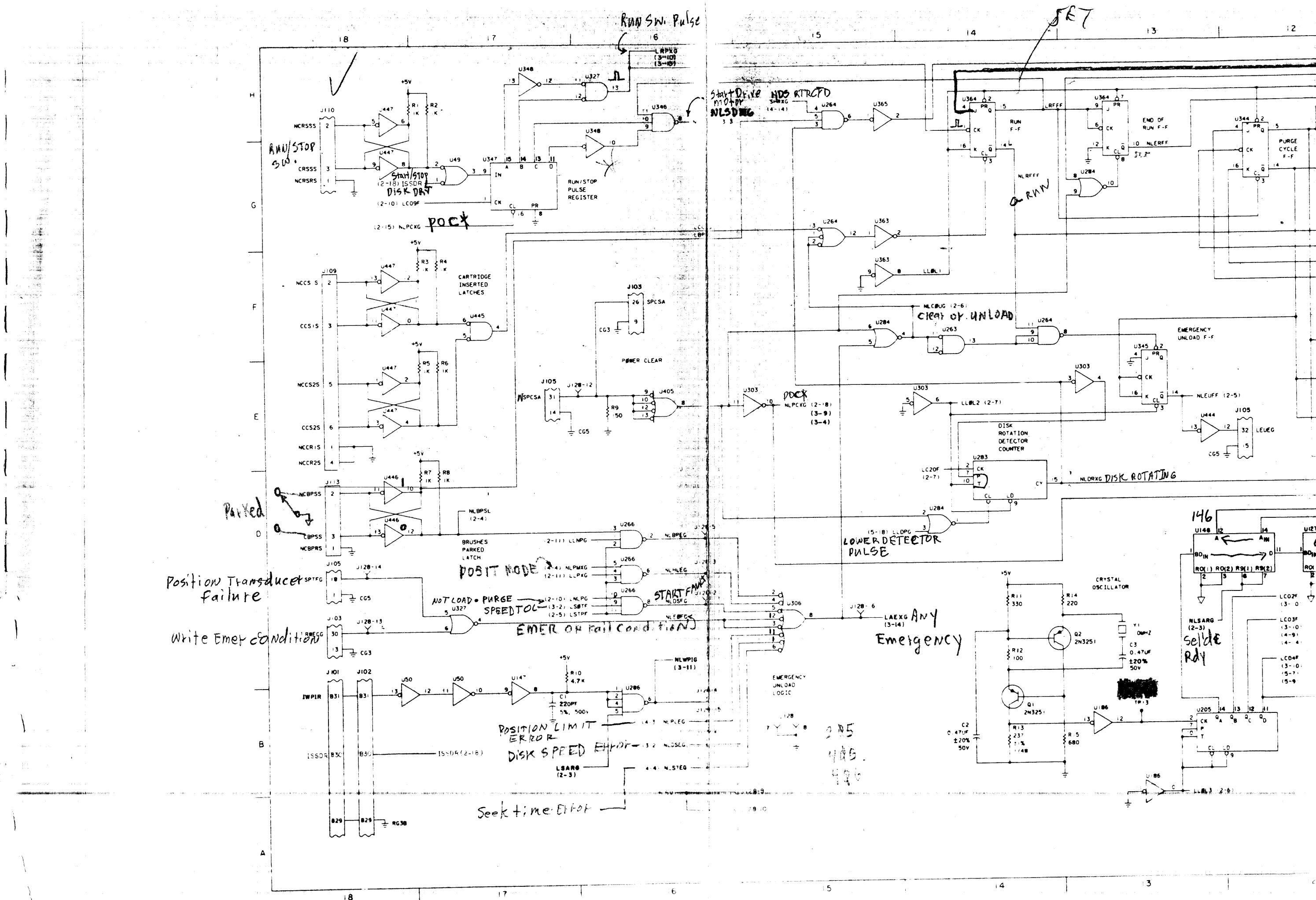
(10) SIGNALS ARE CROSS-REFERENCED BETWEEN SHEETS AND WITHIN A SHEET BY NUMBERS APPEARING WITH THE ASSOCIATED LOGIC TERM MNEMONIC. THE FIRST NUMBER IS THE SHEET NUMBER AND THE SECOND NUMBER IS THE ZONE NUMBER. EXAMPLE: 13-121 SHEET 3 ZONE 12

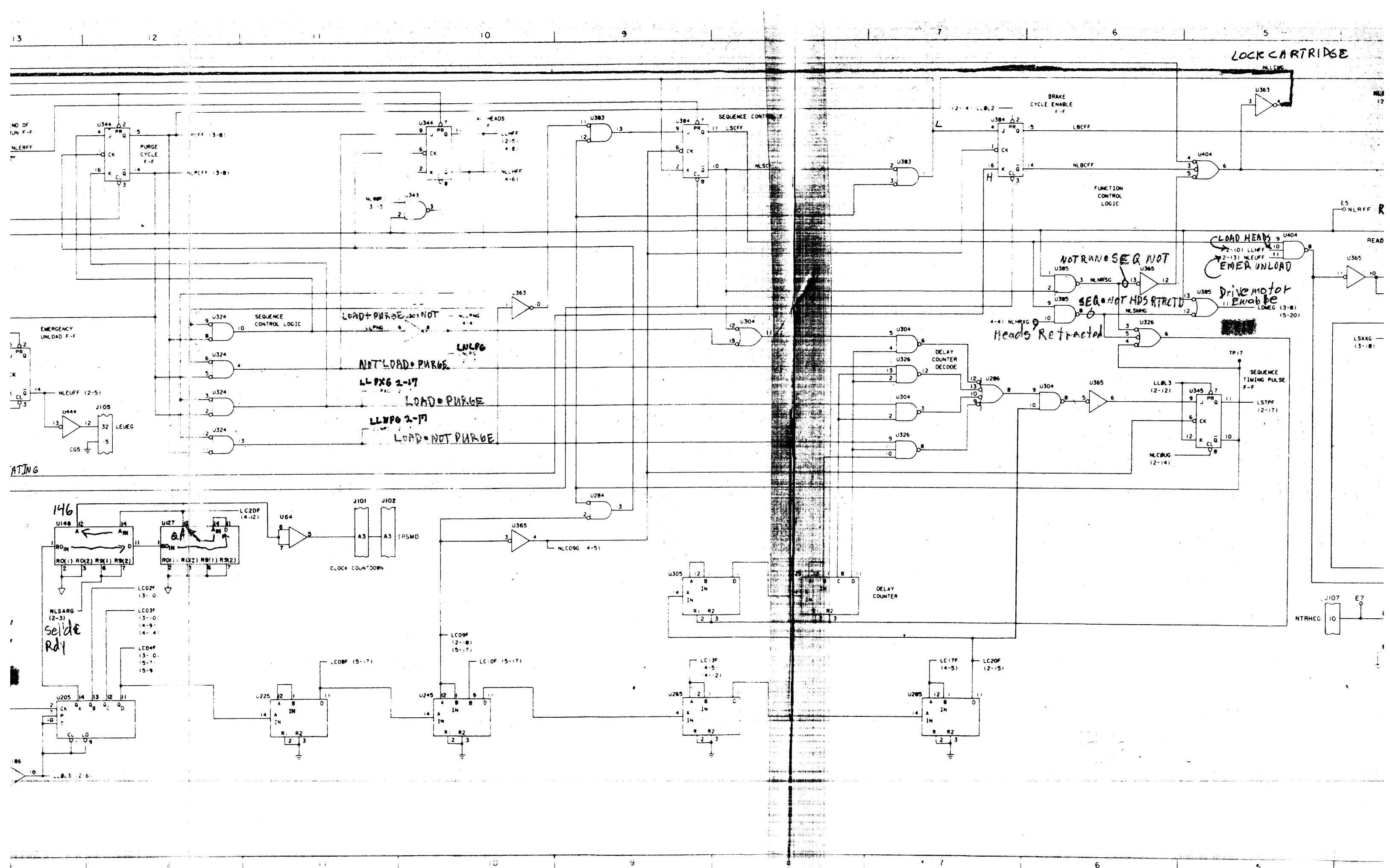
NOTES: UNLESS OTHERWISE SPECIFIED

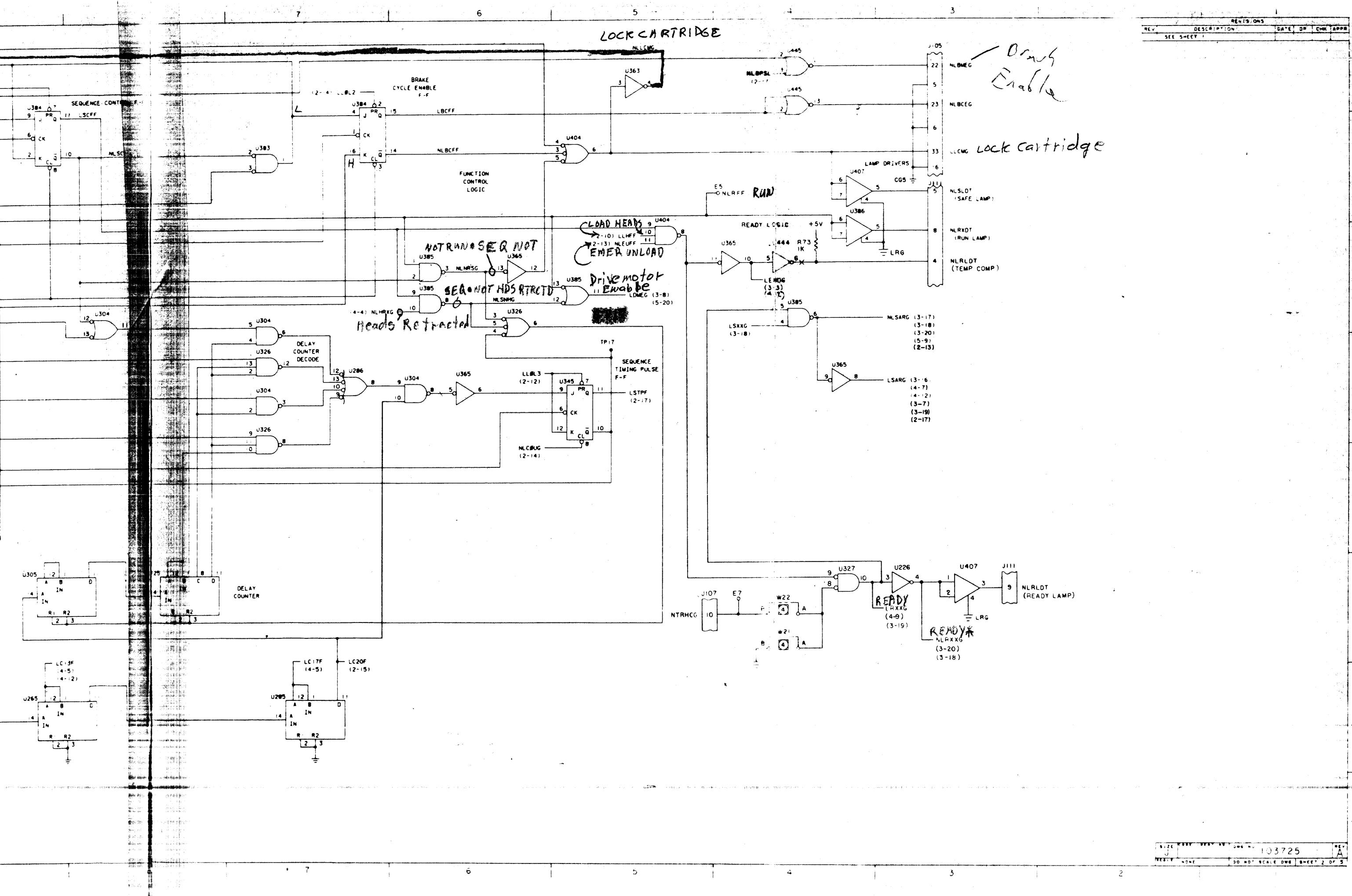
REFERENCE DRAWINGS
ASSEMBLY 103726
SPECIFICATION 103708

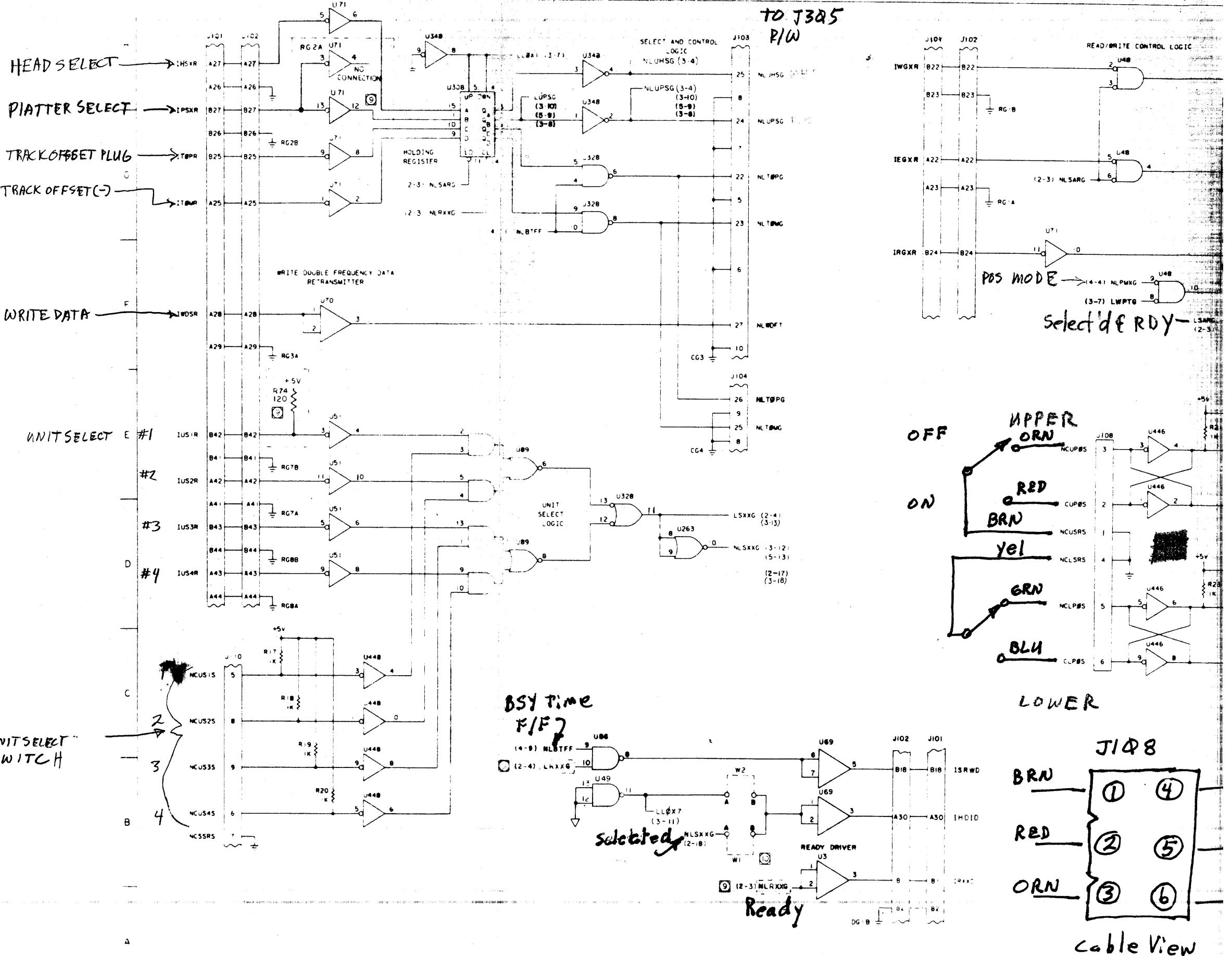
PRINTED ON ONE SIDE OF THE SHEET		SIGNATURES	DATE
PERTEC PERIPHERAL EQUIPMENT		10-10-74	
PRINTED ON ONE SIDE OF THE SHEET		DES.	TITLE
PERTEC PERIPHERAL EQUIPMENT		HQA	SCHEMATIC- LOGIC BOARD
PRINTED ON ONE SIDE OF THE SHEET		PROD.	INTERDATA COMPATIBLE
PRINTED ON ONE SIDE OF THE SHEET		MATL.	SIZE COOK DENT NO DWG NO
PRINTED ON ONE SIDE OF THE SHEET		J	103725
PRINTED ON ONE SIDE OF THE SHEET		SCALE NONE	REV. A
PRINTED ON ONE SIDE OF THE SHEET		DO NOT SCALE DWG	SHRINK 1 / 5

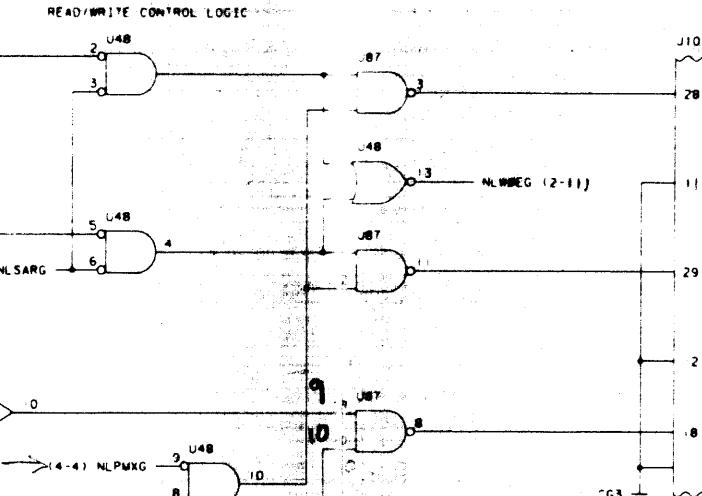
7 6 5 4 3 2 1











Select'd & RDY - LSARG

PPER
DRN

RED

1

NCURS

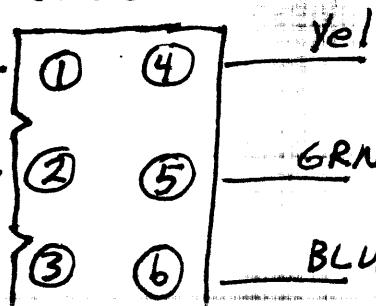
NCLRS

NCLPBS

CLPBS

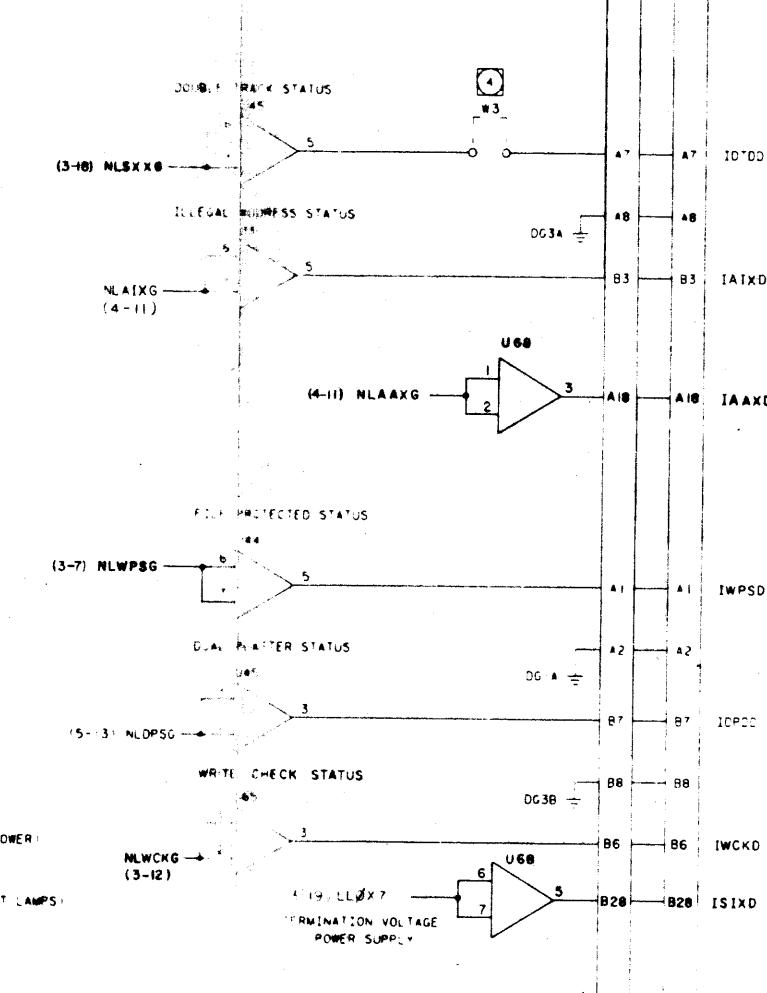
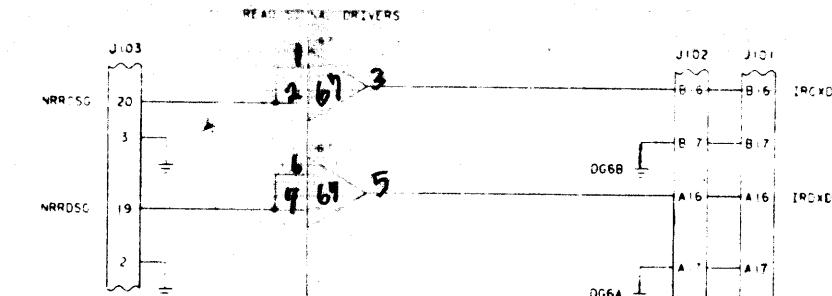
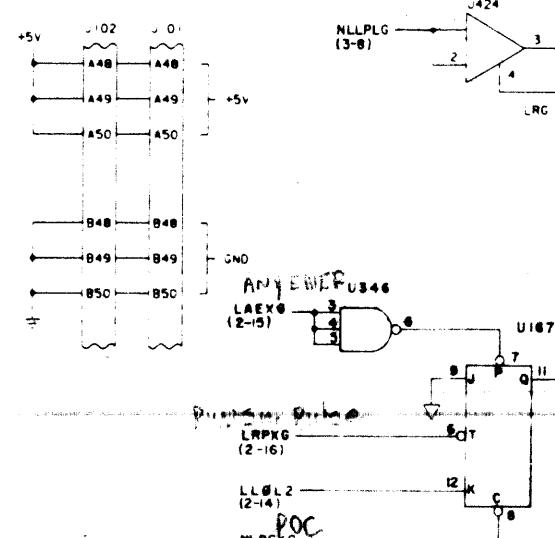
LOWER

J108

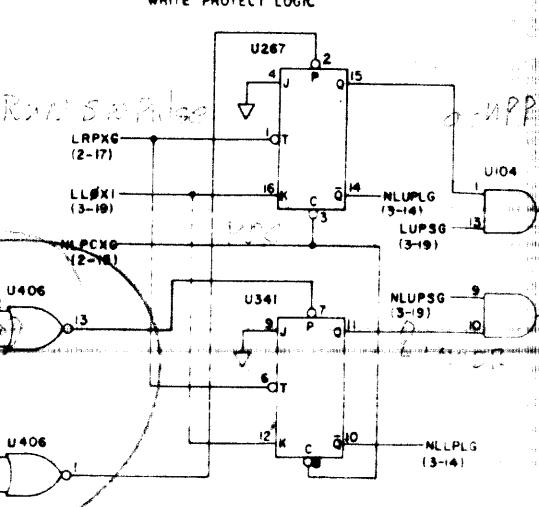


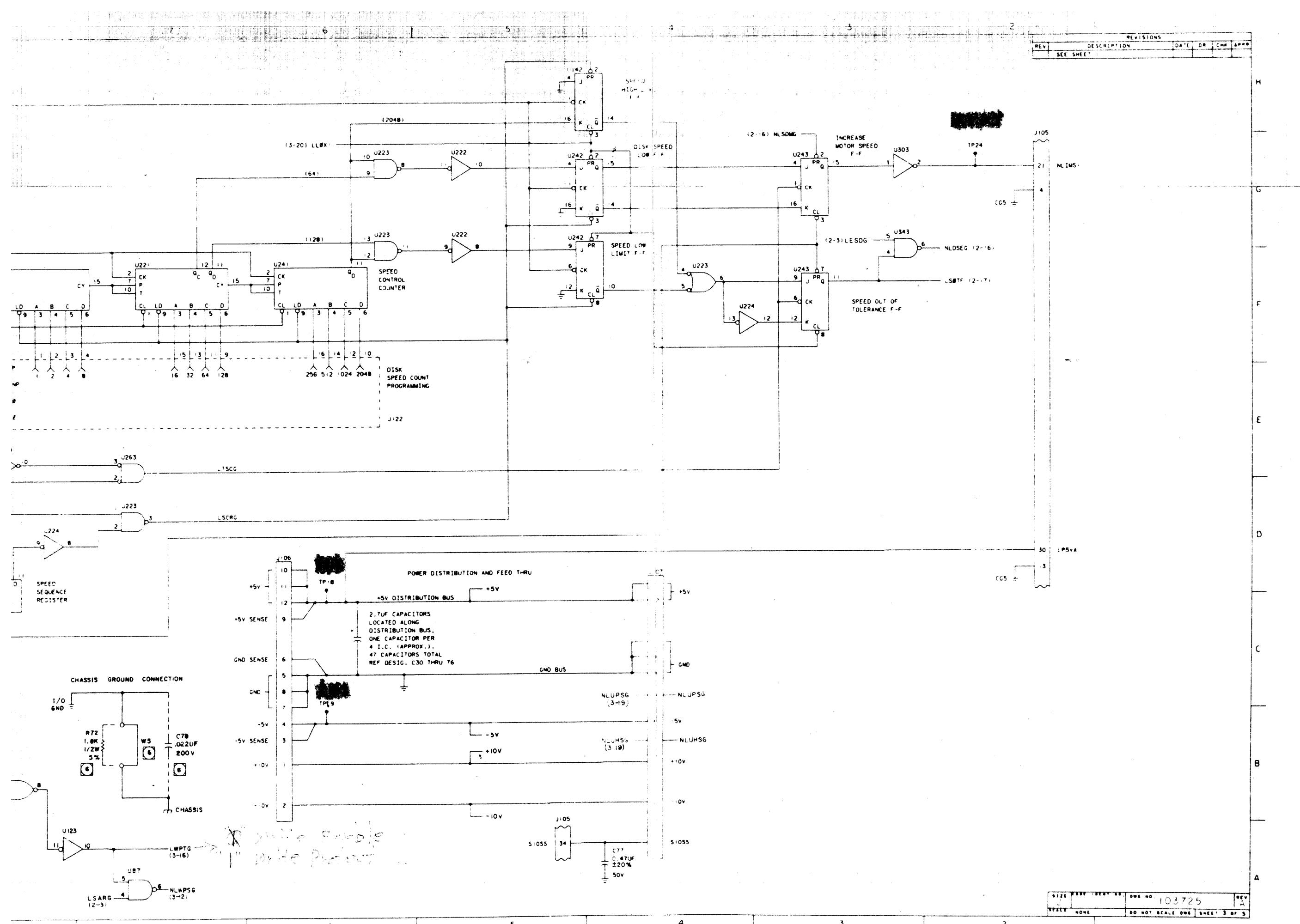
cable View

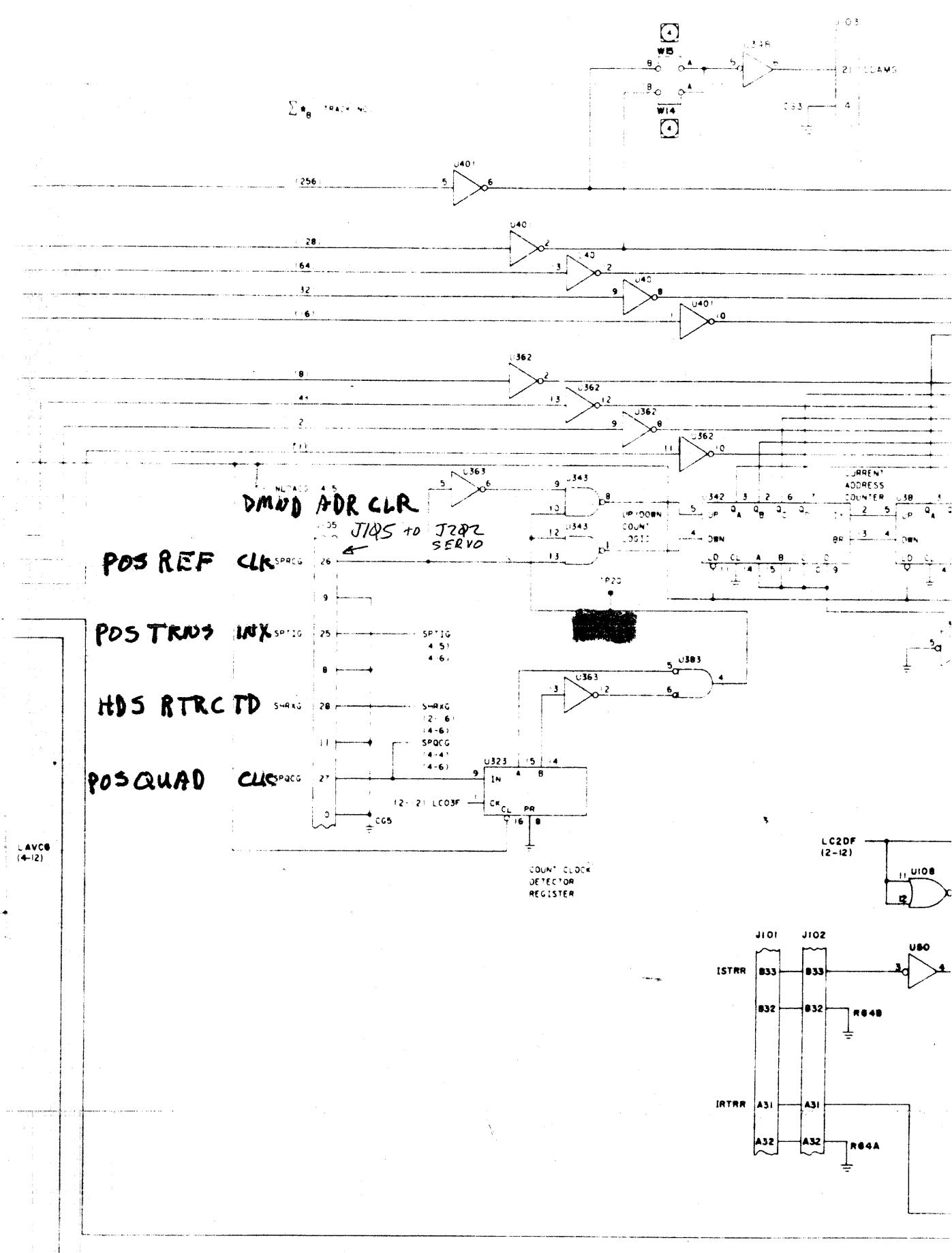
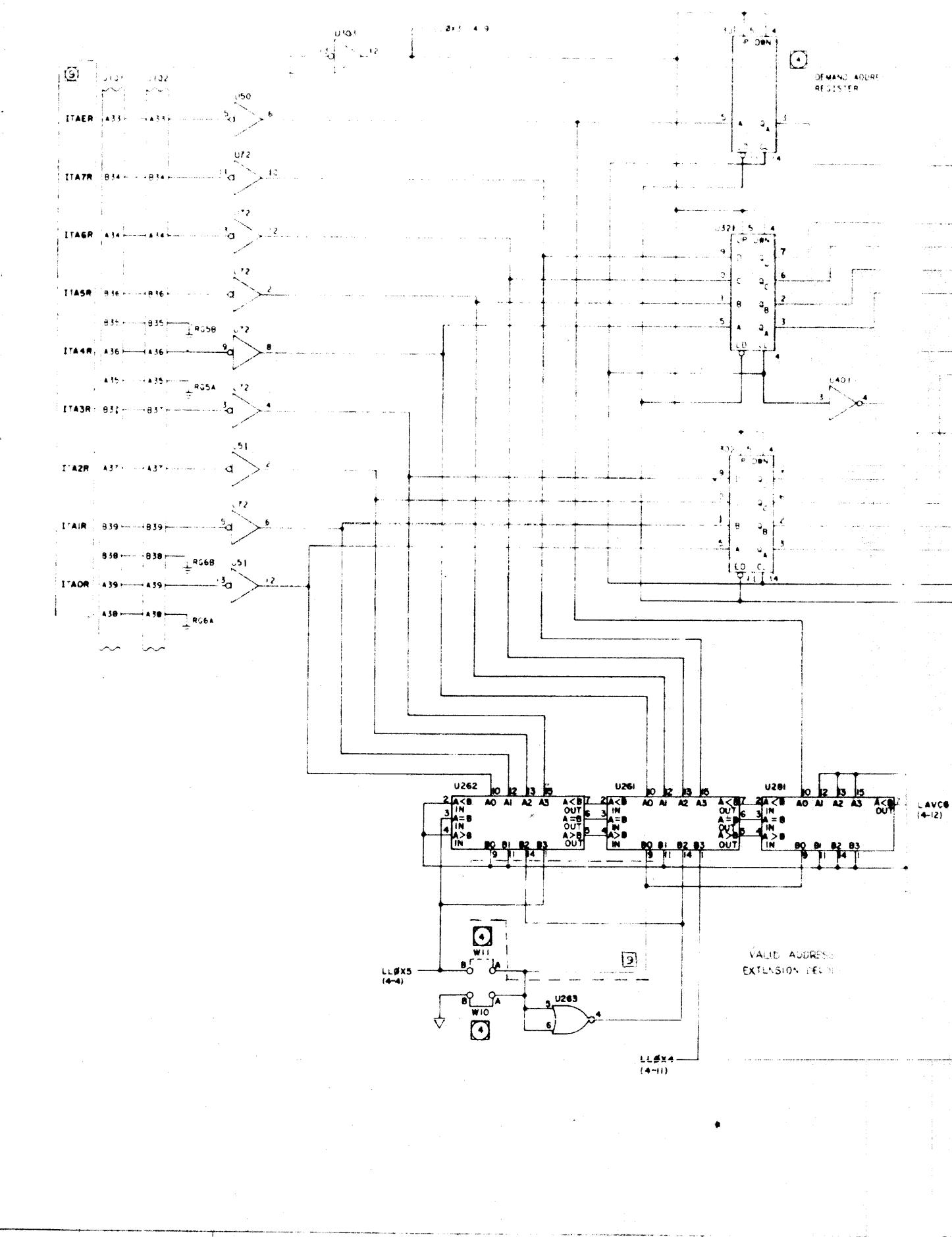
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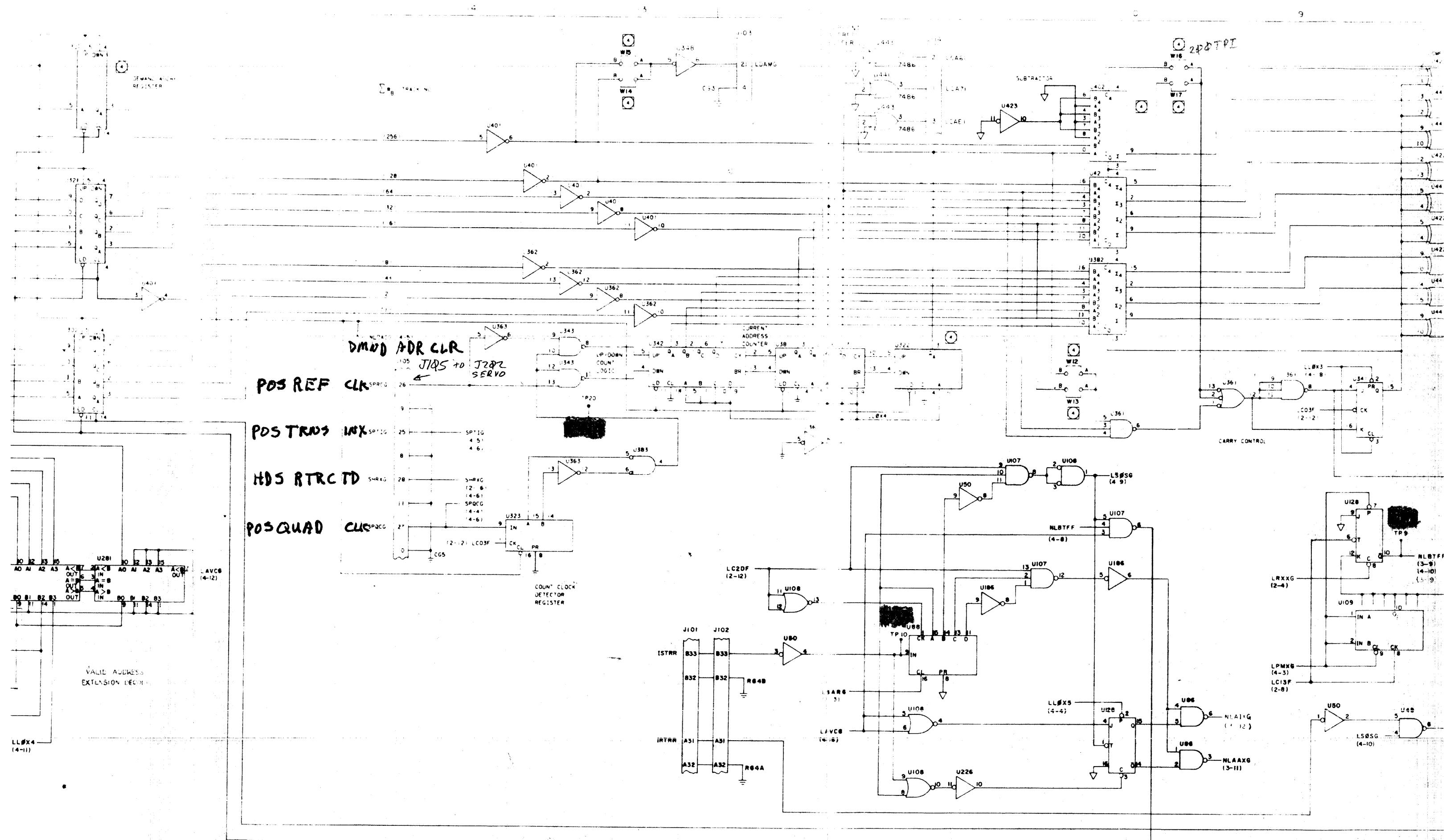


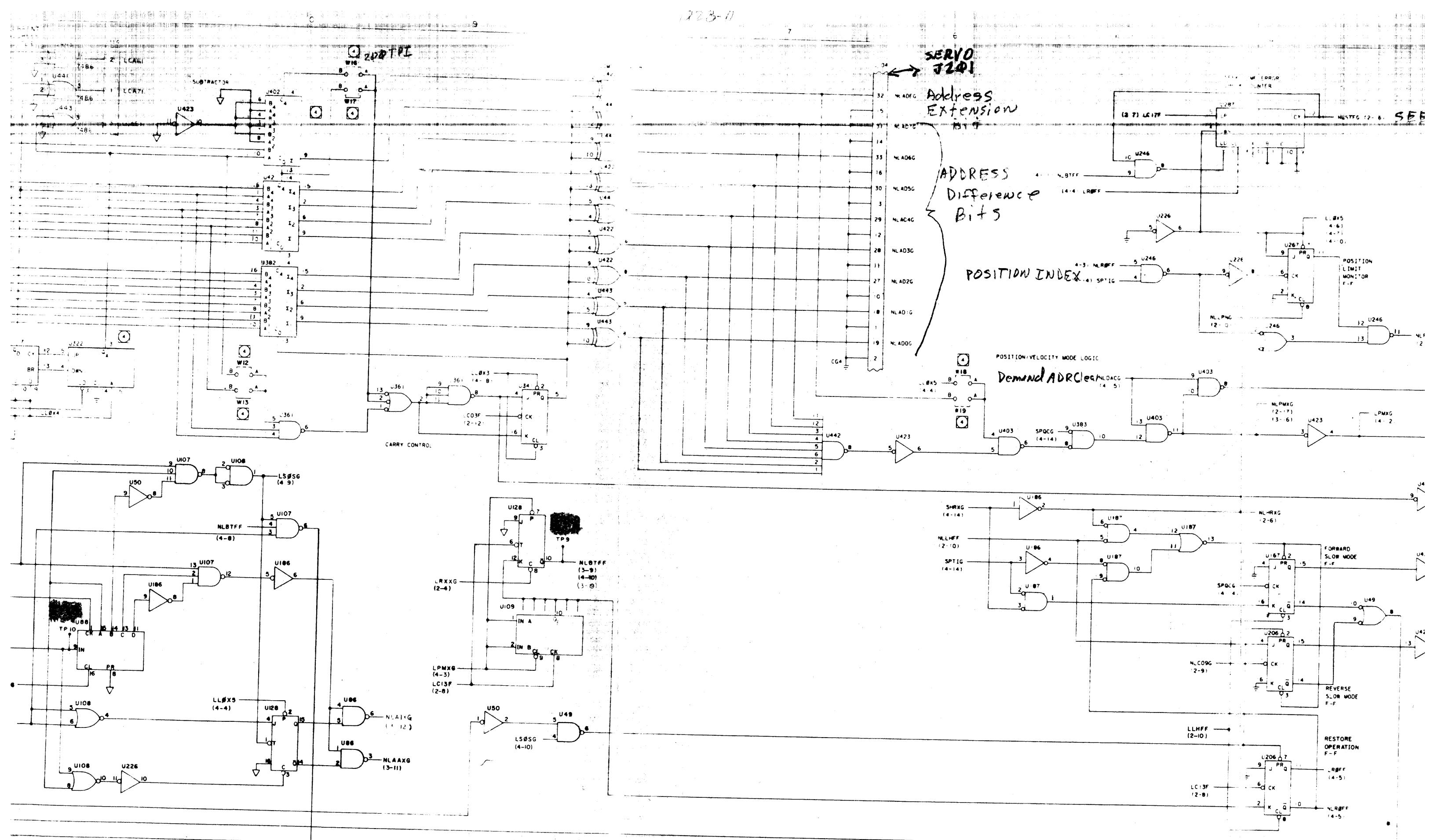
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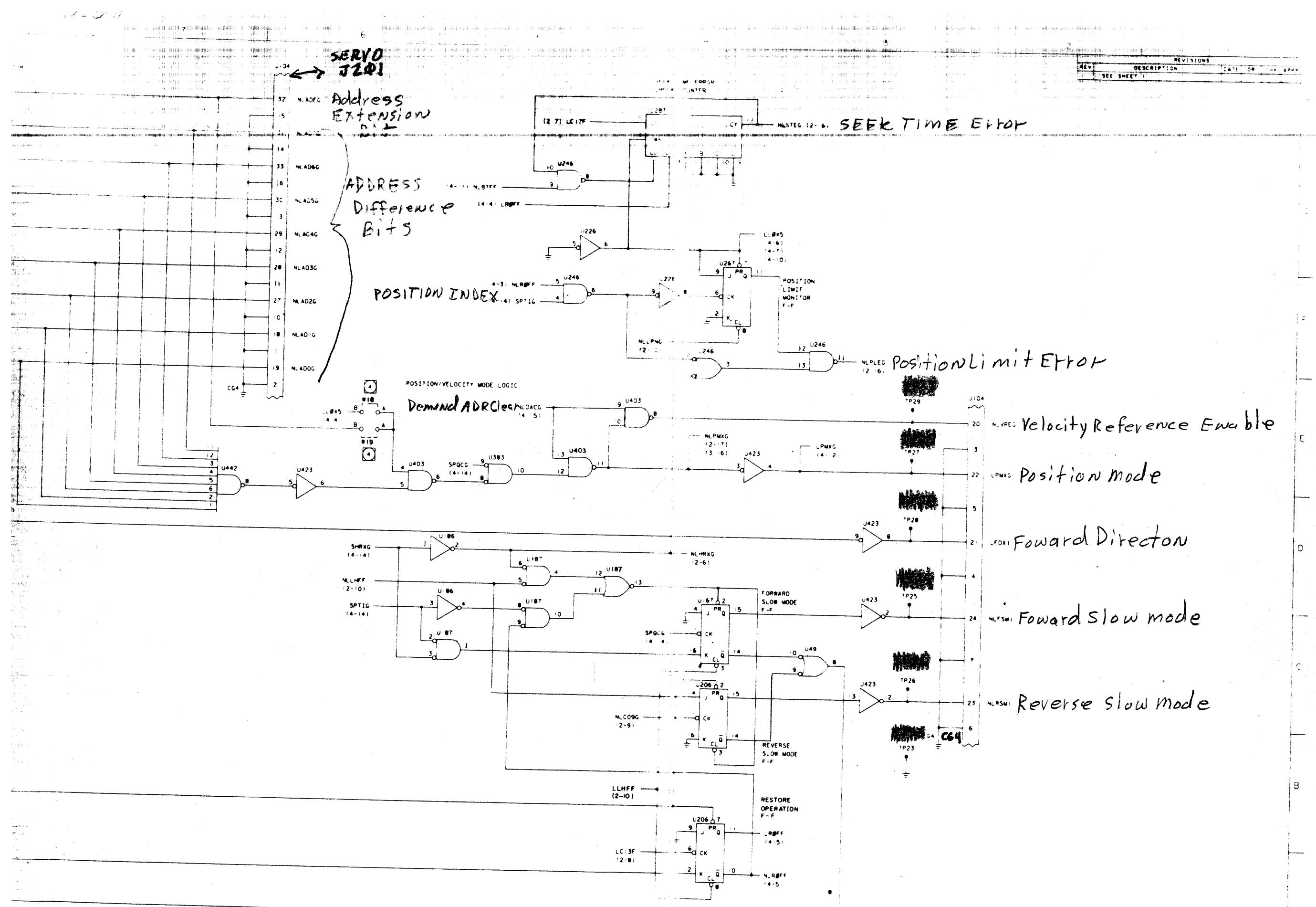












И 425 - 741CN
И 387 - 741CN
И 409 - 751OMA

UPPER SENSOR SHIELD →

UPPER SENSOR SIGNAL

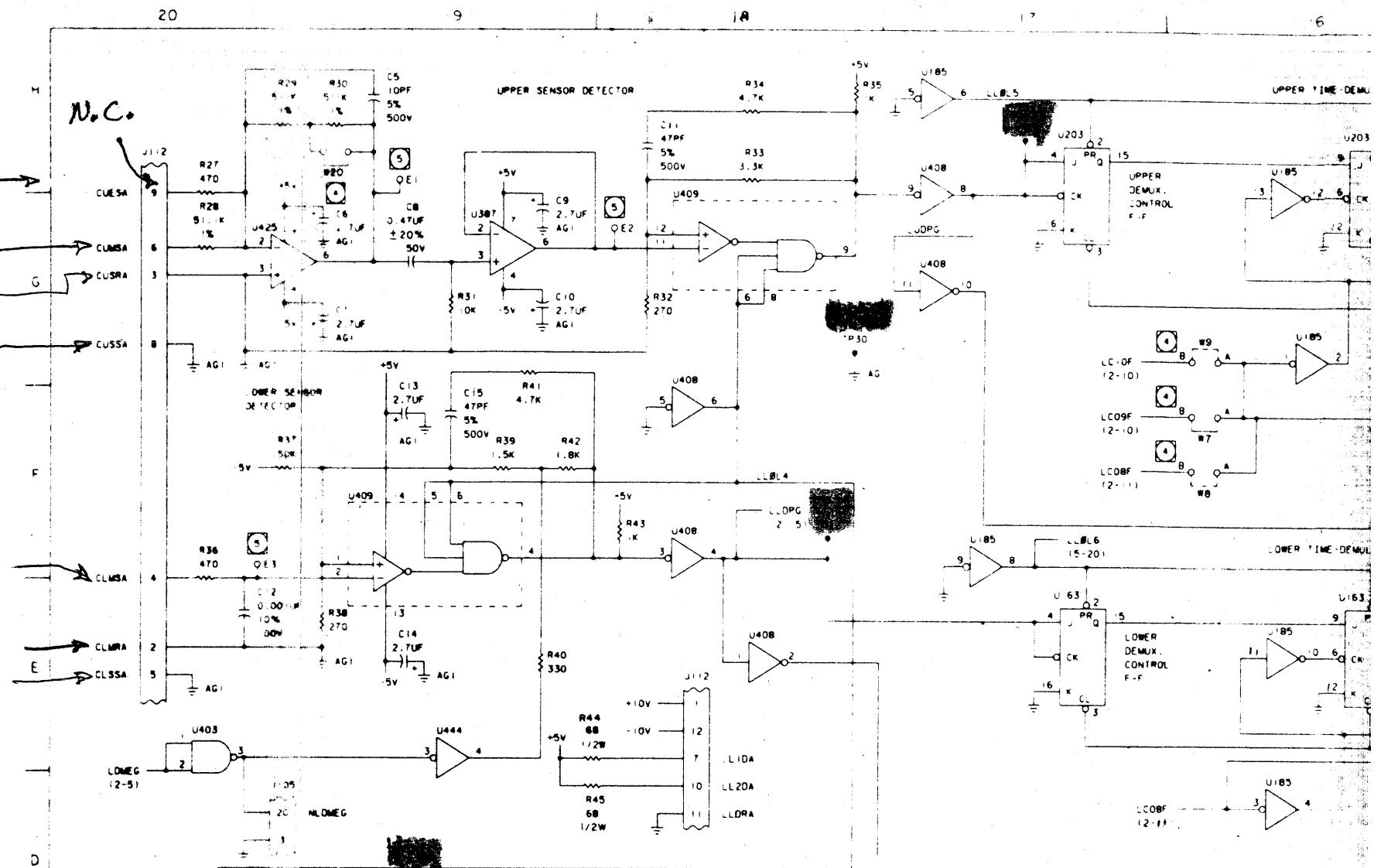
UPPER SENSOR RTN

UPPER SENSOR SHEILD

LOWER SENSOR SIGNAL -

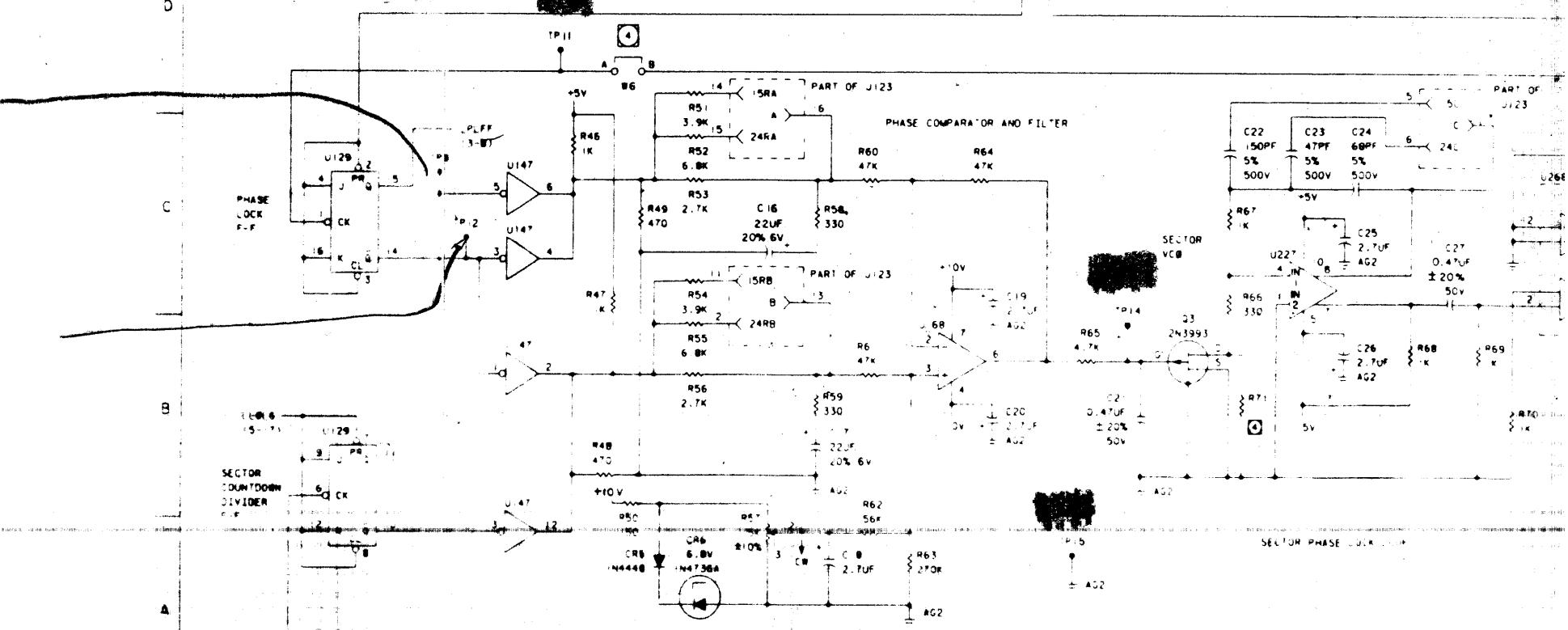
LOWER SENSOR RTN

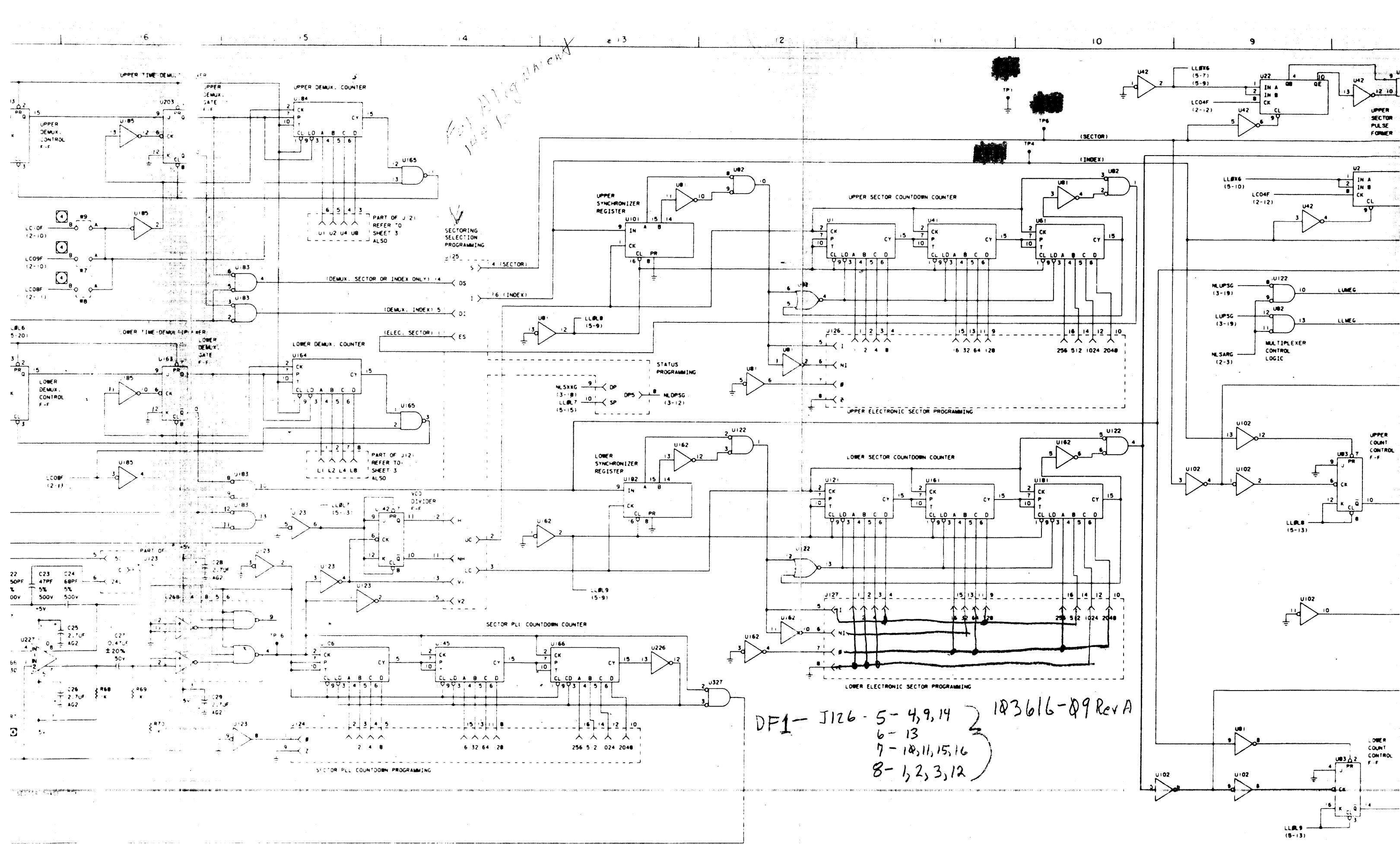
LOWER SENSOR SHEILD



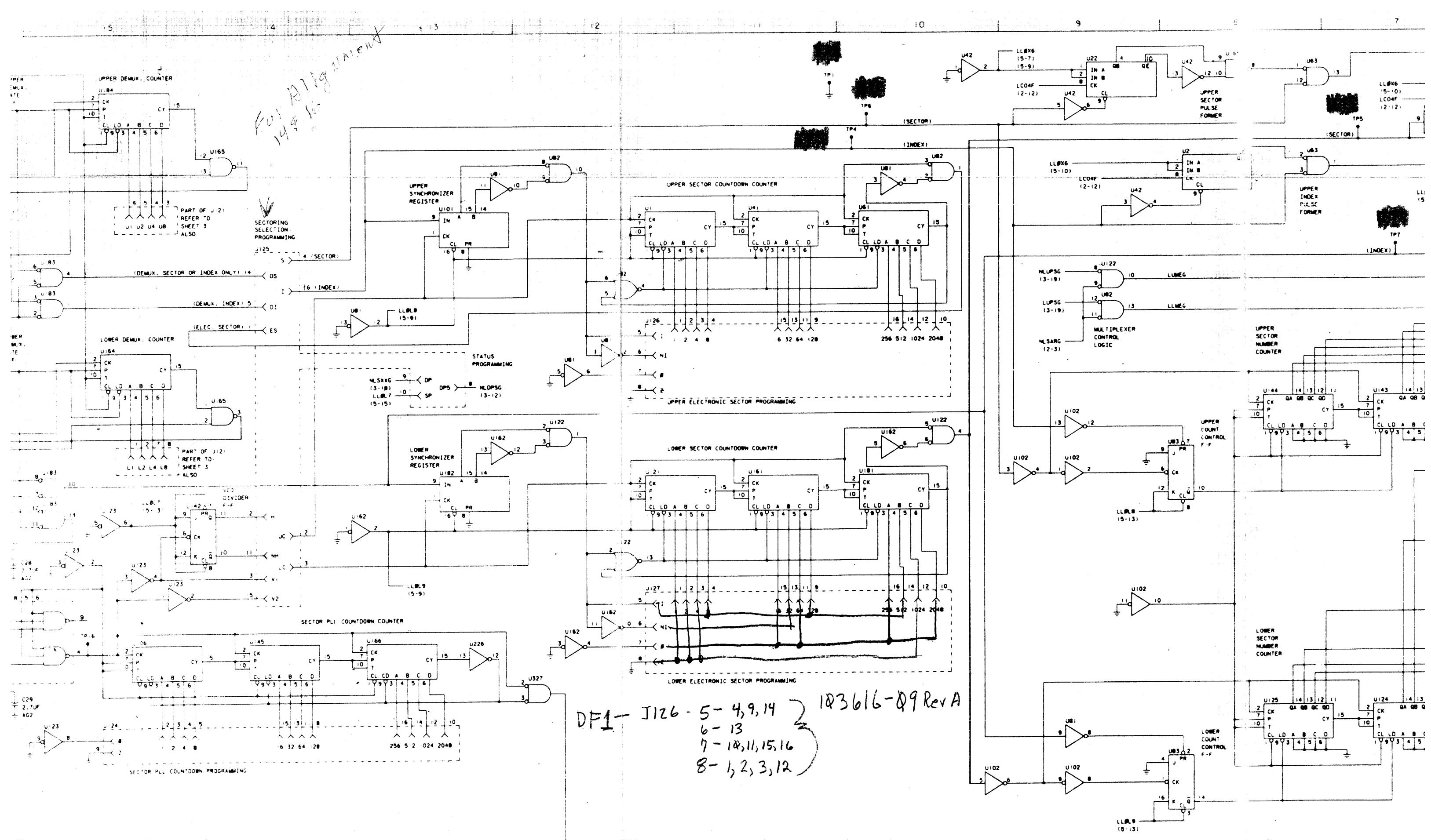
TP 8

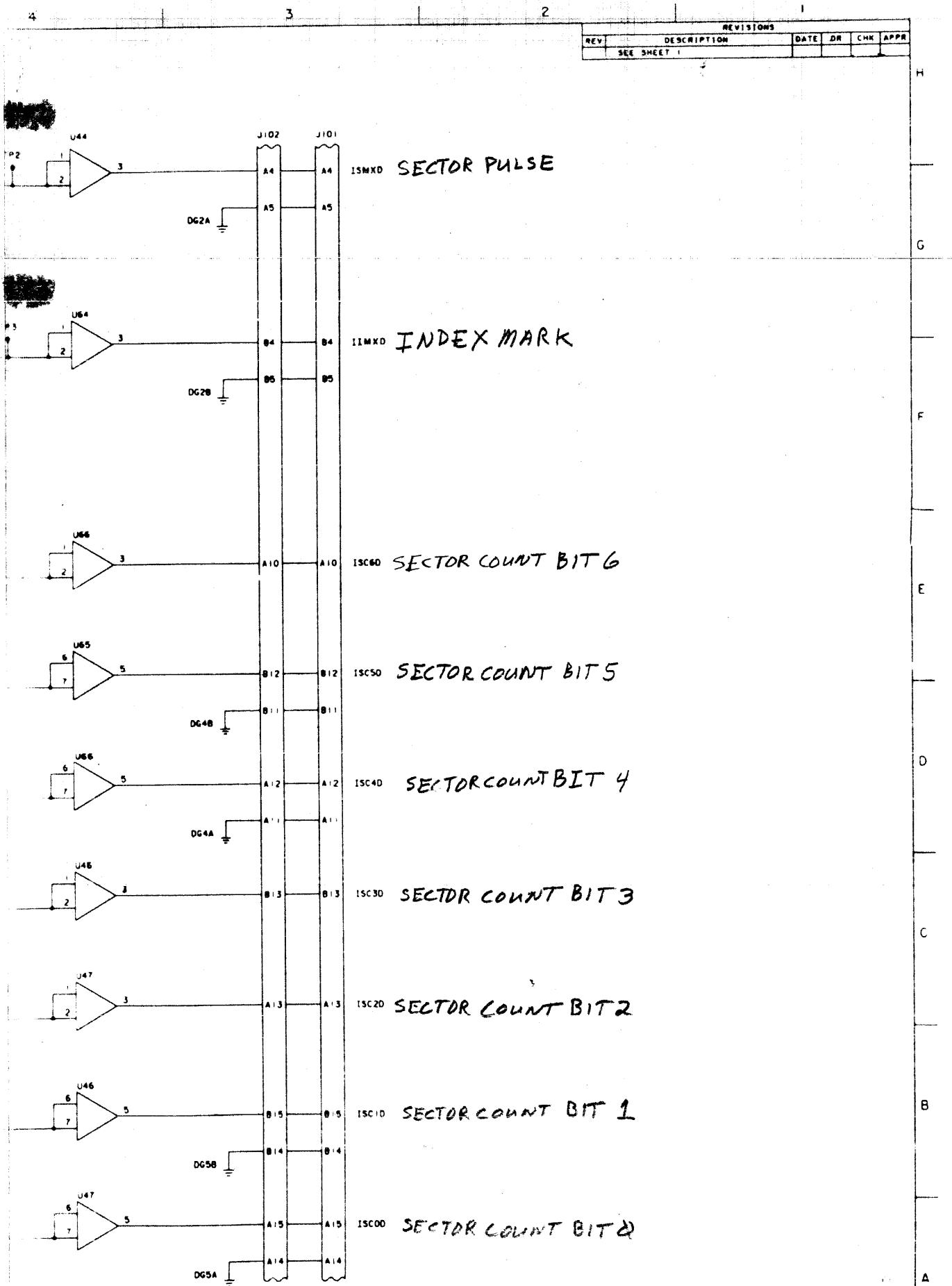
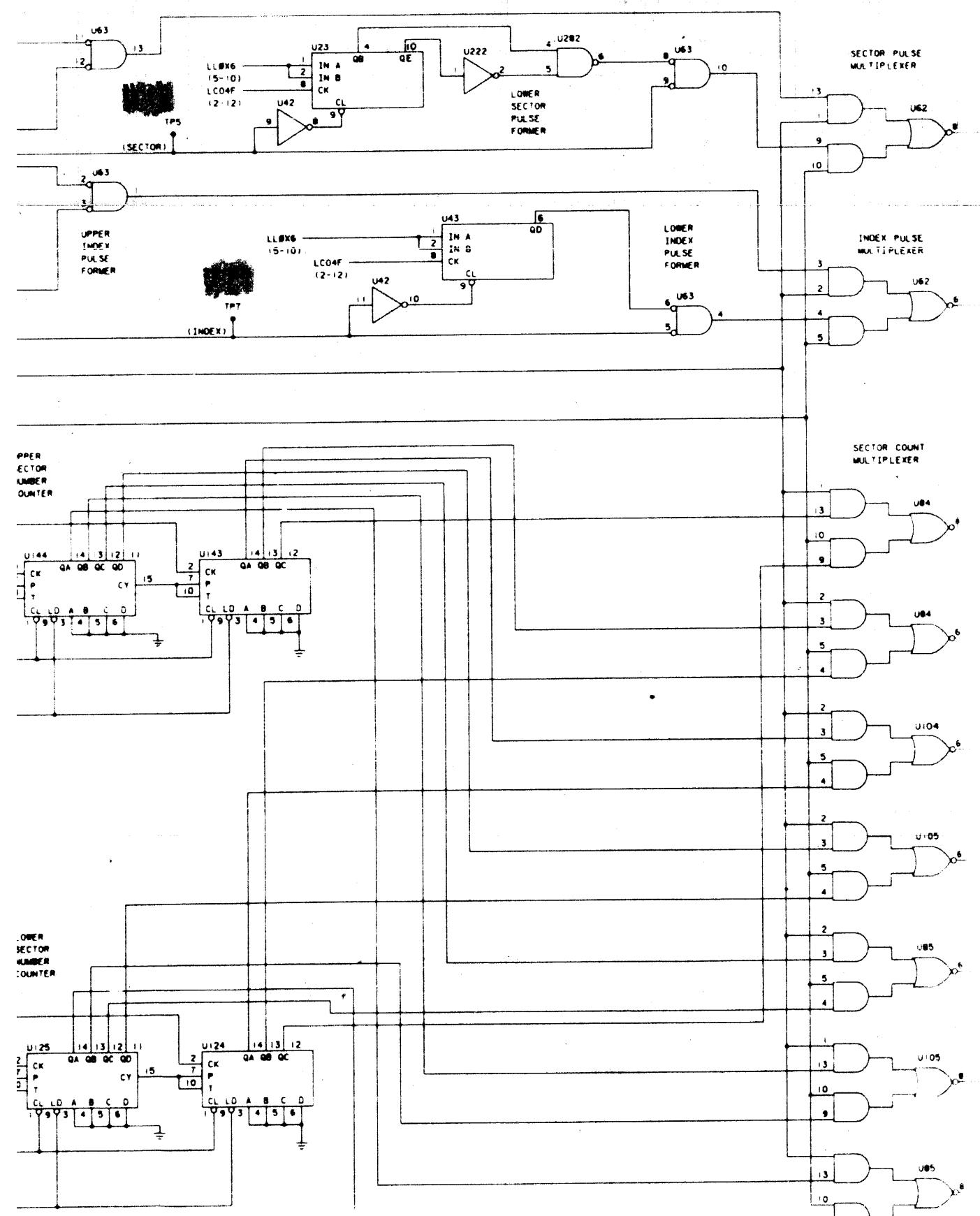
TP12

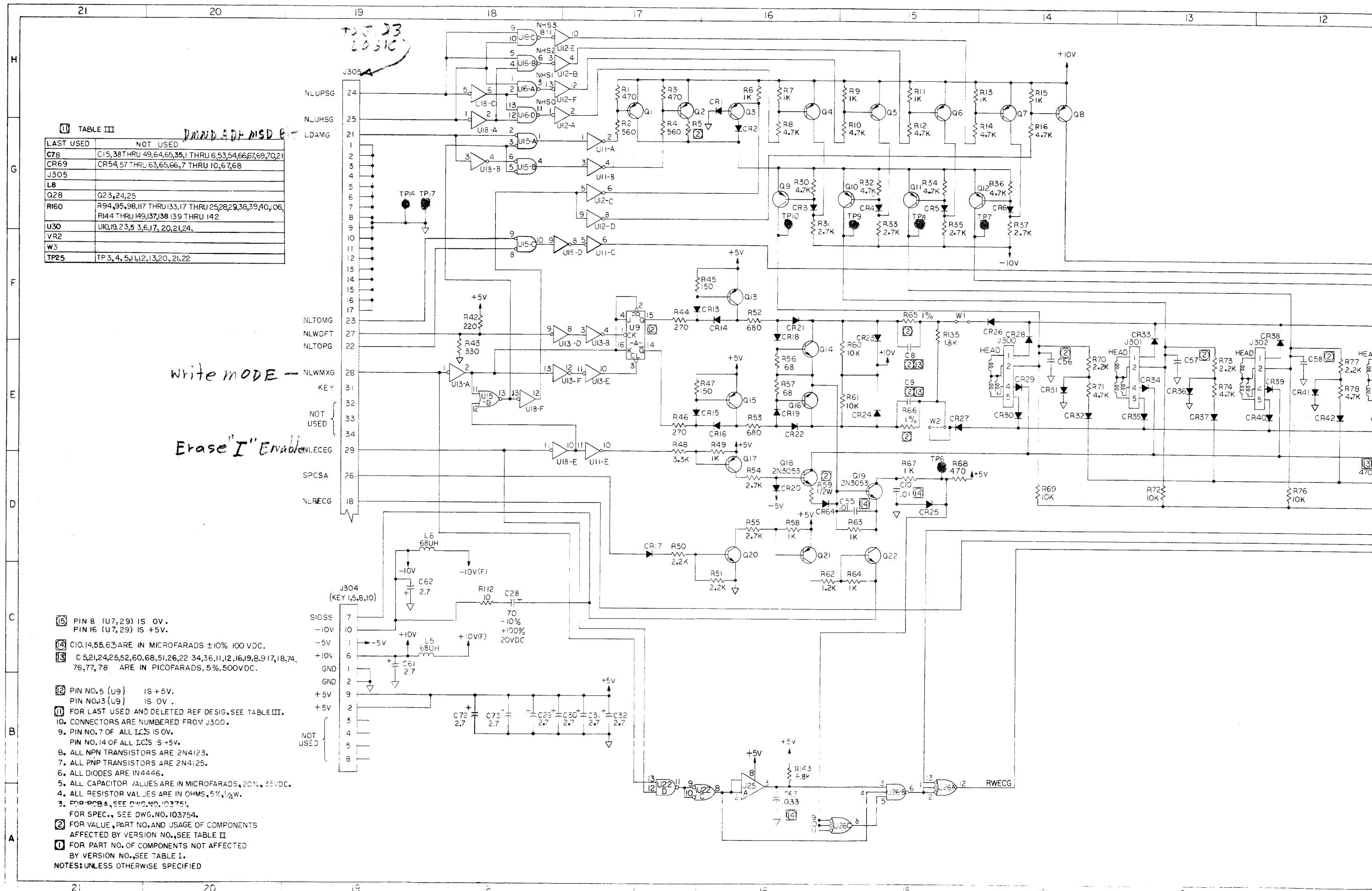




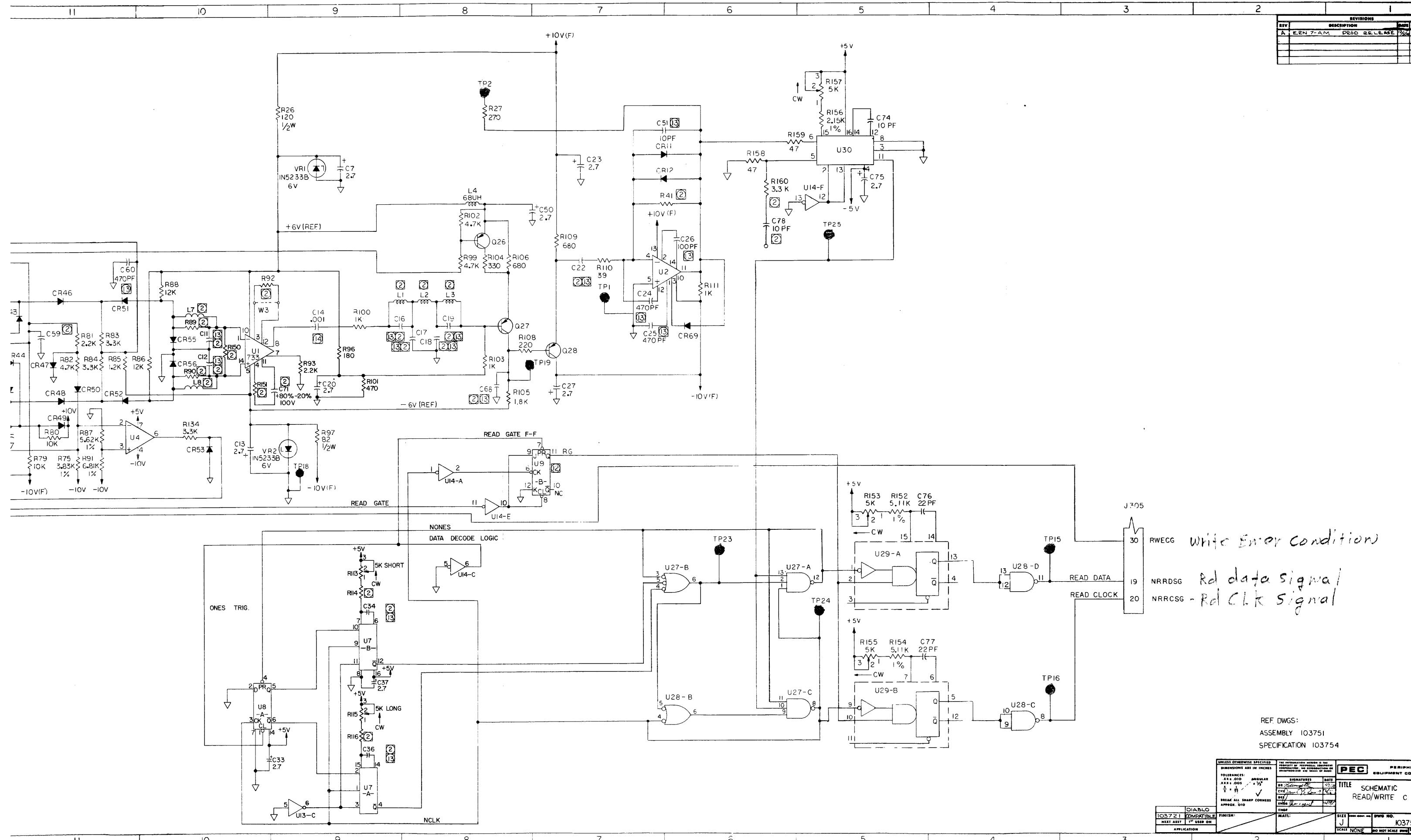
DF1 - J126 - 5 - 4, 9, 14
6 - 13
7 - 10, 11, 15, 16
8 - 1, 2, 3, 12







REV			DESCRIPTION		DATE
A			EEN 7-AM PROD RELEASE		1/24



REF DWGS:
ASSEMBLY IO3751
SPECIFICATION IO3754

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF PERIPHERAL EQUIPMENT CORPORATION AND IS RESTRICTED FROM DISCLOSURE WITHOUT PRIOR WRITTEN CONSENT OF PERIPHERAL EQUIPMENT CORPORATION	
TOLERANCES: XXXX.000 ± 1/2		SIGNATURES DATE RE: <i>[Signature]</i> 1/24	
COMPATIBLE IO3721		TITLE: SCHEMATIC READ/WRITE C	
NEXT ASSY 1 ST USED ON APPLICATION		FINISH: MATERIAL: SIZE: J DRAW NO. IO375	
DISABLO IO3721		SCALE: NONE DO NOT SCALE SWING	

① TABLE I

PART NO.	REF DESIGNATION
100-1005	R112
-1025	R6,7,9,11,13,15, 49,58, 63,64,100,103,111, 67
-1035	R60,61,69,72,76,79,80
-1225	R62,85
-1235	R86,88
-1515	R45,47
-1815	R96
-1825	R105,135
-2215	R42,108
-2225	R50,51, 70,73,77,81,93
-2715	R27,44,46
-2725	R31,33,35,37,54,55
-3315	R43,104
-3325	R48,83, 84,134
-3905	R110
-4705	R158,159
-4715	R1,3,68, 101
-4725	R8,10,12,14,16,30,32,34,36 71,74,78,82,99,102
-5615	R2,4
-6815	R106,52,53,109
-6825	R143
100-6805	R56,57
101-1215	R26
101-8205	R97
104-2151	R156
104-5111	R152,154
104-3831	R75
104-5621	R87
104-6811	R91
121-5020	R113, 115,153,155,157
130-1005	C51,74
130-1015	C26,
130-2205	C76,77
130-4715	C24,52,60,25

① TABLE I

PART NO.	REF DESIGNATION
131-1020	C14
131-1030	C10,55
131-3330	C63
132-2752	C7,13,20,23,27,29,30, 31,32, 33, 37,50 61,62,72,73,75
133-7060	C28
200-3053	Q18,19
200-4123	Q14,16,20,22
200-4125	Q1 THRU Q13,15,17,21,26, 27,28
331-0605	VRI,2
400-0715	U2
400-2741	U4
515-6805	L4,5,6
700-4123	U7,29
700-4740	U8
700-0001	U9
↑ -0002	U13, 14
-0003	U22
-4000	U28
-5733	U1
-7400	U16
-7402	U15
-7404	U18
-7410	U26
-7416	U11,12
700-7545	U25
700-4010	U27
700-8020	U30
690-0022	W1,2

DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		R41		W3		C8,C9		C11,C12		C16,C19		C17,C18		C22		(
		100 TPI	200 TPI	VALUE	PART NO.	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALJE	PART NO.	VALUE
2400 RPM	-01	X		4.3K	100-4325	100373-02			68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF	130-3315	OMIT
2200 BPI	-02	X		4.3K	100-4325	100373-02			68 PF	130-6805	43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF	130-5615	
1500 RPM	-03		X	4.3K	100-4325	OMIT			68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF	130-3315	
2200 BPI	-04		X	4.3K	100-4325	OMIT			68 PF	130-6805	43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF	130-5615	OMIT

② TABLE II (CONT'D)

DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		R160				R150				R151		R89,90		R14,116,1%1/4W	
		100 TPI	200 TPI	VALUE	PART NO.			VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.
2400 RPM	-01	X		OMIT				OMIT	—	OMIT	—	470	100-4715	5.62 K	104-5621		
2200 BPI	-02	X						OMIT	—	OMIT	—	470	100-4715	4.64 K	104-4641		
1500 RPM	-03		X					5.6K	100-5625	15	100-1505	OMIT	—	5.62 K	104-5621		
2200 BPI	-04		X	OMIT				5.6K	100-5625	15	100-1505	OMIT	—	4.64 K	104-4641		

① TABLE I

PART NO.	REF DESIGNATION
100-1005	R112
↓ -1025	R6,7,9,11,13,15, 63,64,100,103,111, 67
-1035	R60,61,69,72,76,79,80
-1225	R62,85
-1235	R86,88
-1515	R45,47
-1815	R96
-1825	R105,135
-2215	R42,108
-2225	R50,51, 70,73,77,81,93
-2715	R27,44,46
-2725	R31,33,35,37,54,55
-3315	R43,104
-3325	R48,83, 84,134
-3905	R110
-4705	R158,159
-4715	R1,3,68, 101
-4725	R8,10,12,4,6,30,32,34,36, 71,74,78,82,99,102
-5615	R2,4
-6815	R106,52,53,109
↓ -6825	R143
100-6805	R56,57
300-4446	CRI THRU 6,11 THRU 53, 55,56,64,69
101-1215	R26
101-8205	R97
104-2151	R156
104-5111	R152,154
104-3831	R75
104-5621	R87
104-6811	R91
121-5020	R113, 115,153,155,157
130-1005	C51,74
130-1015	C26,
130-2205	C76,77
130-4715	C24,52,60,25
700-7545	U25
700-8020	U30
690-0022	W1,2

② TABLE I

PART NO.	REF DESIGNATION
131-1020	C14
131-1030	C10,55
131-3330	C63
132-2752	C7,13,20,23,27,29,30, 31,32,33, 37,50 61,62,72, 75
133-7060	C28
200-3053	Q18,19
200-4123	Q14,16,20,22
200-4125	Q1 THRU Q13,15,17,21,26, 27,28
331-0605	VRI,2
400-0715	U2
400-2741	U4
515-6805	L4,5,6
700-4123	U7,29
700-4740	U8
700-0001	U9
↑ -0002	U13,14
-0003	U22
-4000	U28
-5733	U1
-7400	U16
-7402	U15
-7404	U18
-7410	U26
-7416	J11,J12
700-7545	U25
700-8020	U30
690-0022	W1,2

DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		R41		W3	PART NO.	VALUE	PART NO.	C8,C9		C11,C12		C16,C19		C17,C18		
		100 TPI	200 TPI	VALUE	PART NO.					VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	
2400 RPM	-01,-05	X		4.3K	100-4325	100373-02				68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF
2200 BPI	-02,-06	X		4.3K	100-4325	100373-02				OMIT		43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF
1500 RPM	-03,-07		X	4.3K	100-4325	OMIT				68 PF	130-6805	22 PF	130-2205	43 PF	130-4305	56 PF	130-5605	330 PF
2200 BPI	-04,-08		X	4.3K	100-4325	OMIT				OMIT		43 PF	130-4305	56 PF	130-5605	68 PF	130-6805	560 PF

② TABLE II (CONT'D)

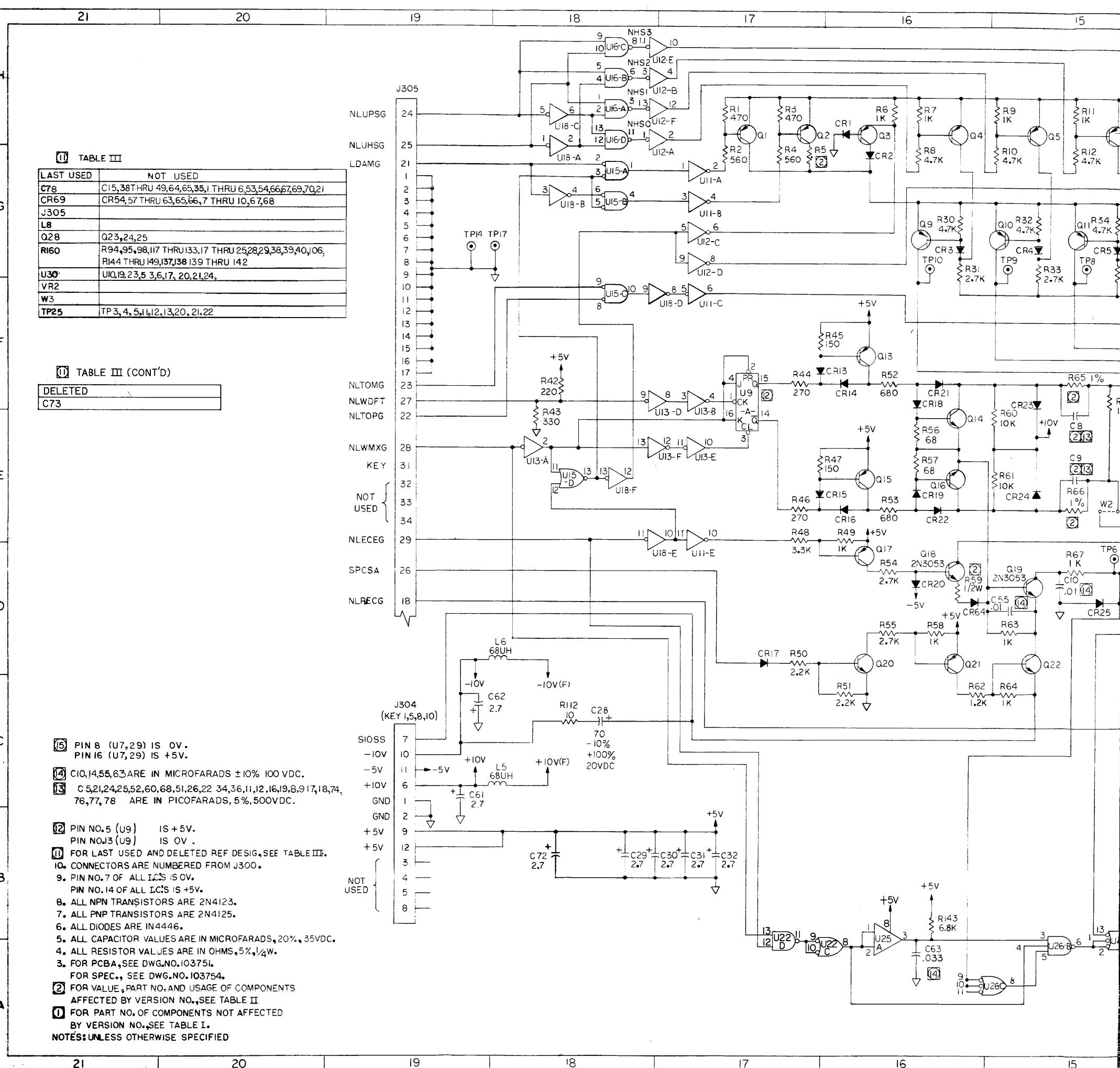
DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		R160		PART NO.	VALUE	R150		R151		R89,90		R14,116,1%,1/4W		
		100 TPI	200 TPI	VALUE	PART NO.			VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	VALUE	PART NO.	
2400 RPM	-01,-05	X		OMIT				OMIT		—	OMIT	—	470	100-4715	5.62 K	104-5621
2200 BPI	-02,-06	X						OMIT		—	OMIT	—	470	100-4715	4.64 K	104-4641
1500 RPM	-03,-07		X					5.6K	100-5625	I5	100-1505	OMIT	—	5.62 K	104-5621	
2200 BPI	-04,-08		X	OMIT				5.6K	100-5625	I5	100-1505	OMIT	—	4.64 K	104-4641	

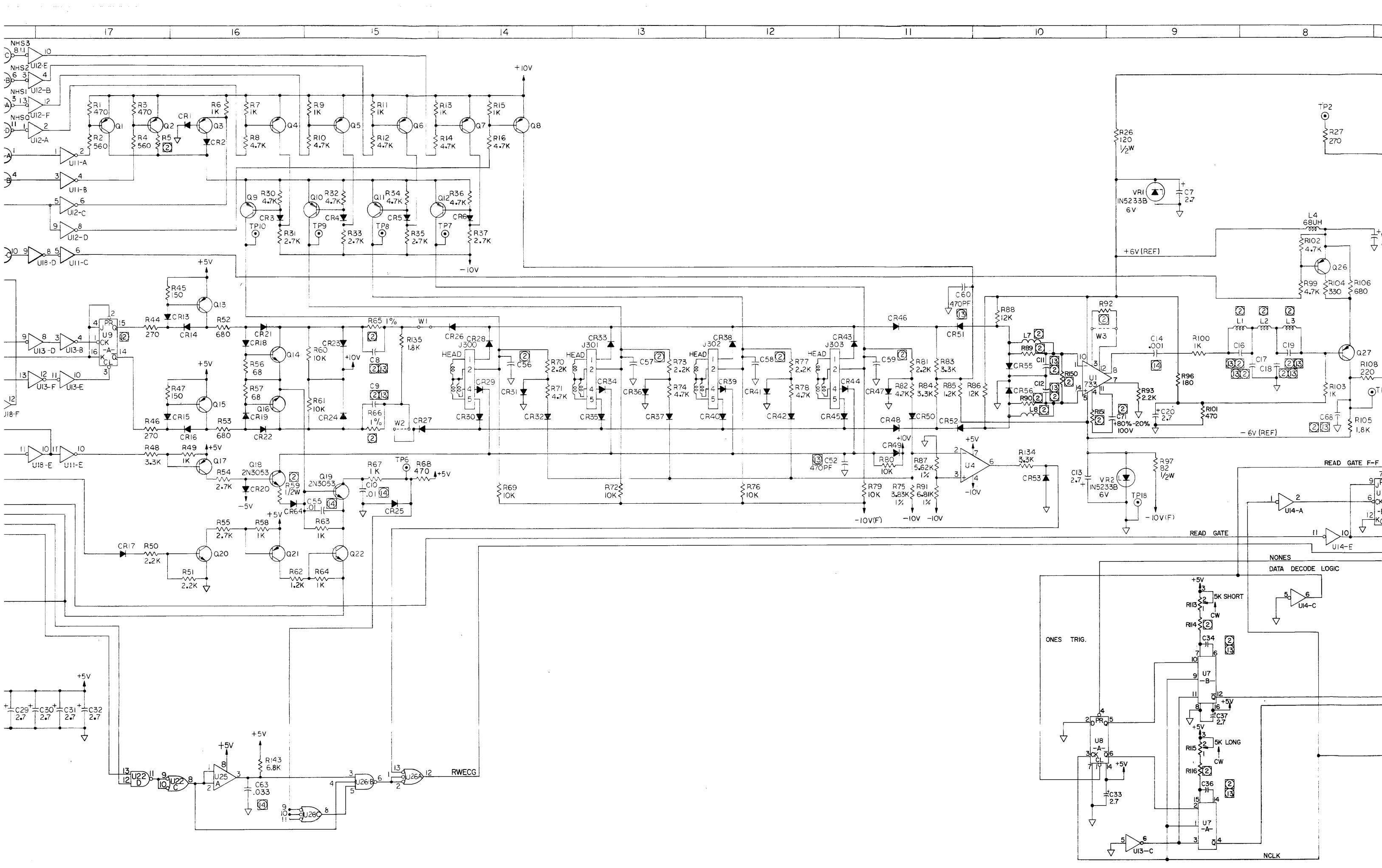
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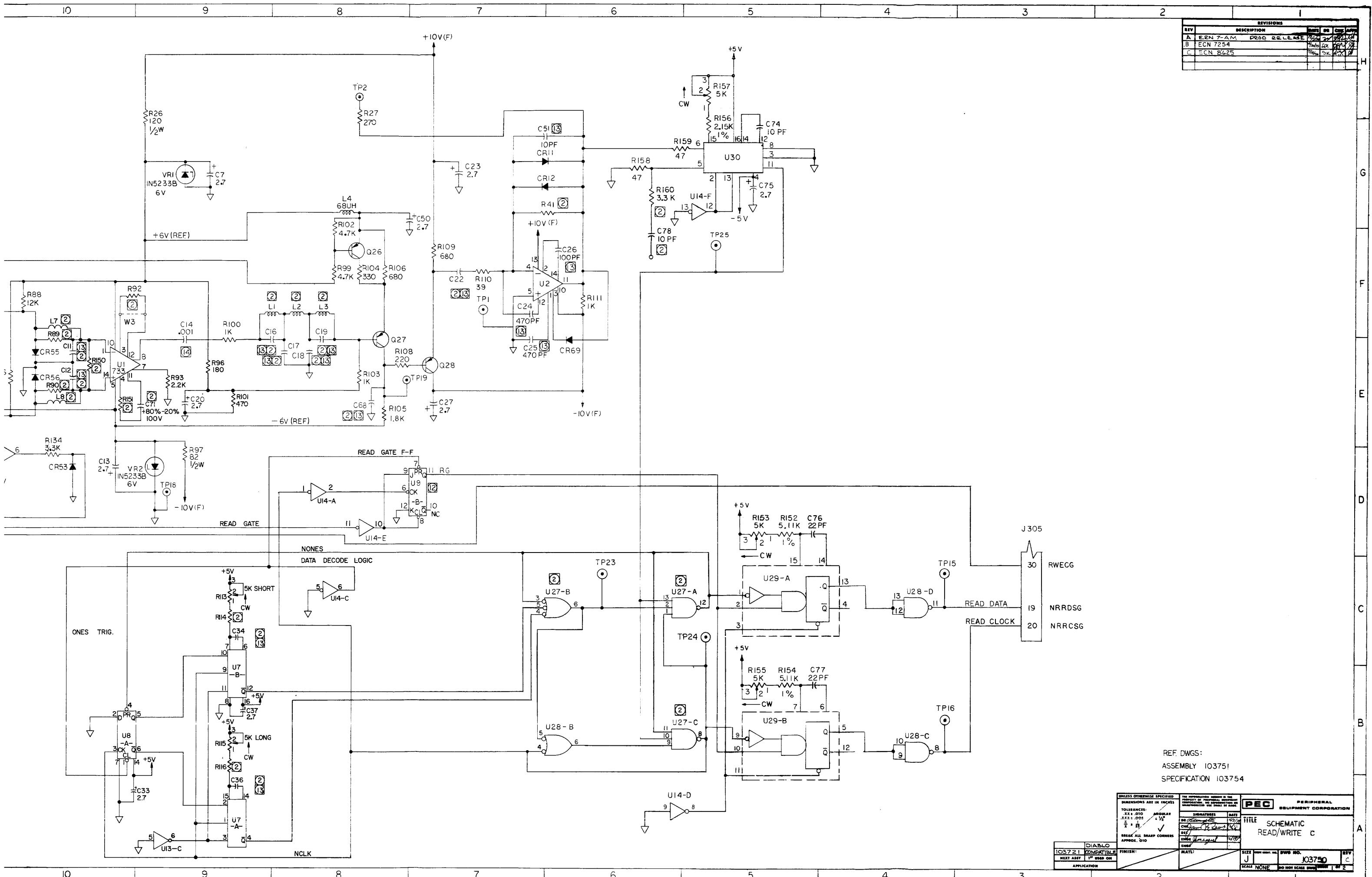
DESCRIPTION	ASSEMBLY 103751 DASH NO.	VERSION		J306	U27
		100 TPI	200 TPI	PART NO.	PART NO.
2400 RPM	-01	X		OMIT	700-4010
2200 BPI	-02	X			
1500 RPM	-03	X			
2200 BPI	-04	X		OMIT	700-4010
2400 RPM	-05	X		103662-01	OMIT
2200 BPI	-06	X			
2400 RPM	-07	X			
2200 BPI	-08	X		103662-01	OMIT
1500 RPM					
2200 BPI					

2 TABLE II

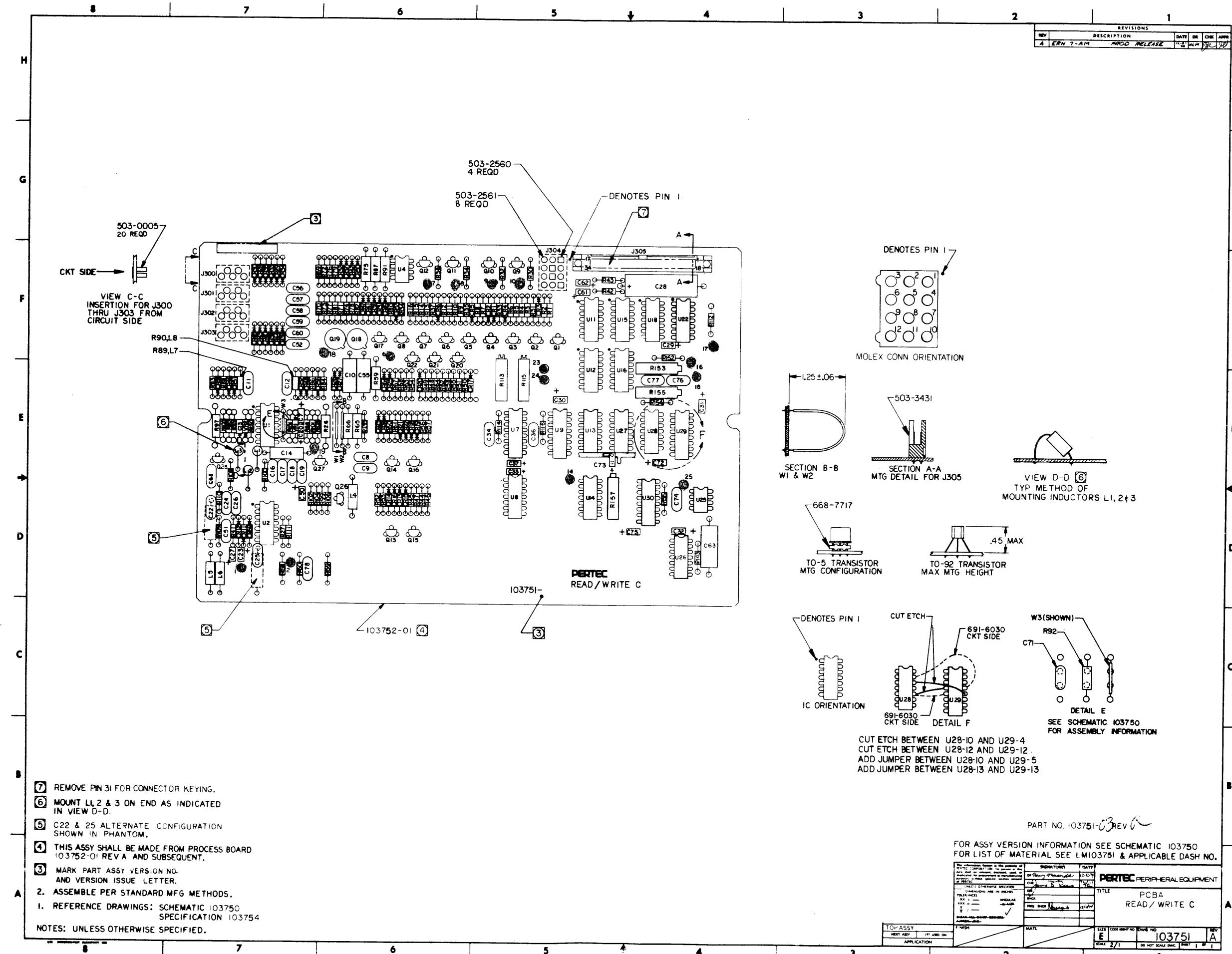
The information below is the property of PERTEC CORPORATION. It is to be used only for the purpose indicated and shall be returned, destroyed, or modified as directed by PERTEC CORP. unless otherwise specified.		SIGNATURES	DATE
		PERTEC	PERIPHERAL EQUIPMENT
UNLESS OTHERWISE SPECIFIED		TITLE	
DIMENSIONS ARE IN INCHES		SCHEMATIC	
TOLERANCE: ± .005		READ/ WRITE C	
JOK: ANGULAR DOK: 1/8" X 1/8"			
ROUND ALL SHARP CORNERS			
SPECIFIC: 010			
DIABLO		MATL:	SIZE CODE IDENT NO. DWG NO.
I03721	COMPATIBLE		J I03750 A
NEXT ASY:	1ST USED ON:		SCALE NONE DO NOT SCALE SHEET 2 OF 2
APPLICATION:			

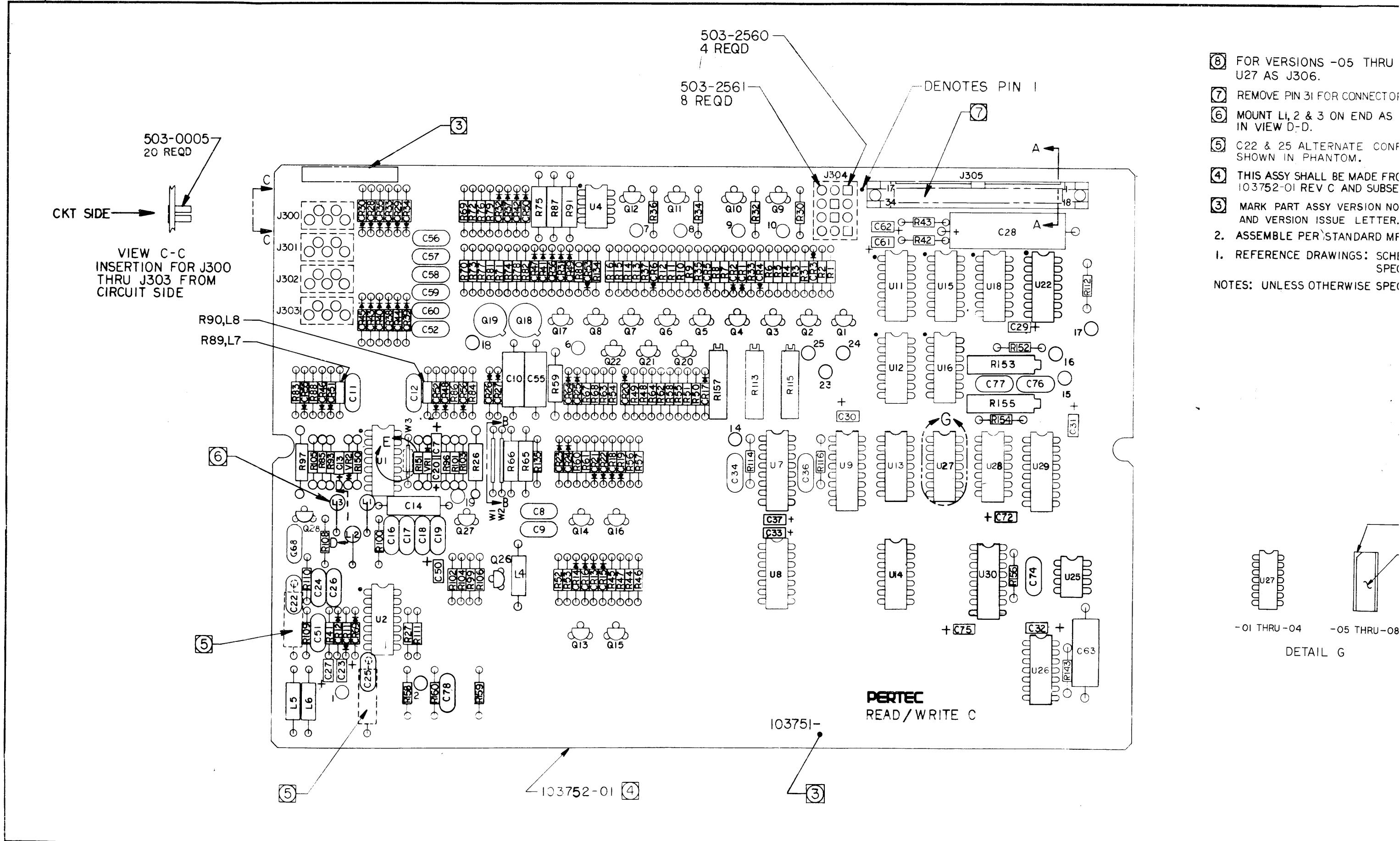






REV				DESCRIPTION		DATE		DR	CHE	APPR
A ERN 7-AM PROD RELEASE				11-20-84		11-20-84				

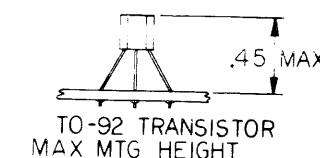
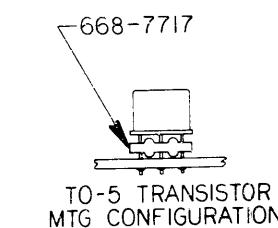
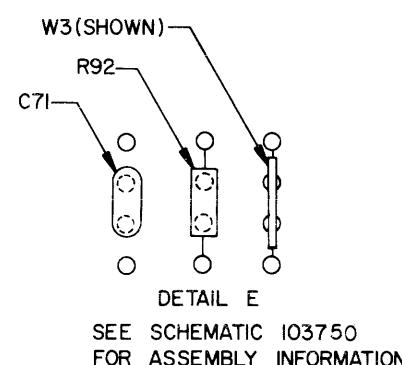
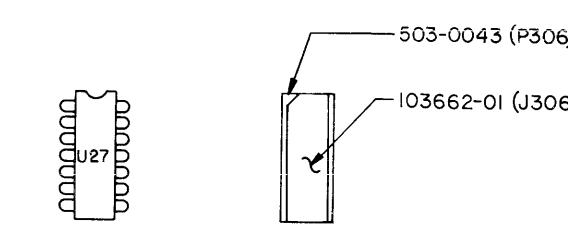
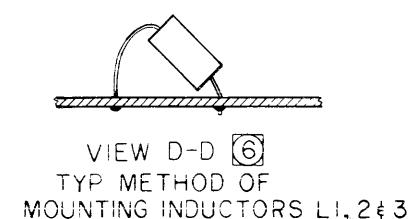
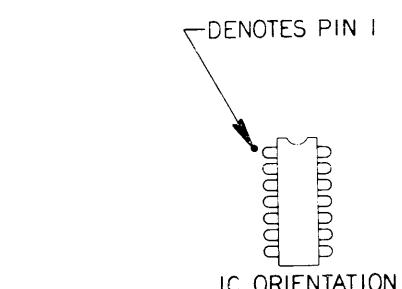
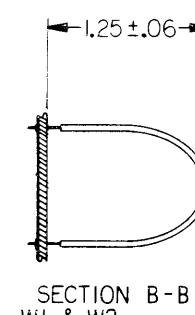




REVISIONS					
REV	DESCRIPTION	DATE	DR	CHK	APPR
A	ERN 7-AM PROD RELEASE	12-2-79	ULM	BFR	WJH
B	ECN 7254	4-20-79	SDL	BS	JFA
C	ECN 7726	8-27-79	DMF	JFH	JFA

- ⑧ FOR VERSIONS -05 THRU -08 REIDENTIFY U27 AS J306.
 ⑦ REMOVE PIN 3I FOR CONNECTOR KEYING.
 ⑥ MOUNT LI, 2 & 3 ON END AS INDICATED IN VIEW D-D.
 ⑤ C22 & 25 ALTERNATE CONFIGURATION SHOWN IN PHANTOM.
 ④ THIS ASSY SHALL BE MADE FROM PROCESS BOARD 103752-01 REV C AND SUBSEQUENT.
 ③ MARK PART ASSY VERSION NO. AND VERSION ISSUE LETTER.
 2. ASSEMBLE PER STANDARD MFG METHODS.
 I. REFERENCE DRAWINGS: SCHEMATIC 103750
 SPECIFICATION 103754

NOTES: UNLESS OTHERWISE SPECIFIED.



PART NO. 103751-01 REV D
 FOR ASSY VERSION INFORMATION SEE SCHEMATIC 103750
 FOR LIST OF MATERIAL SEE LM103751 & APPLICABLE DASH NO.

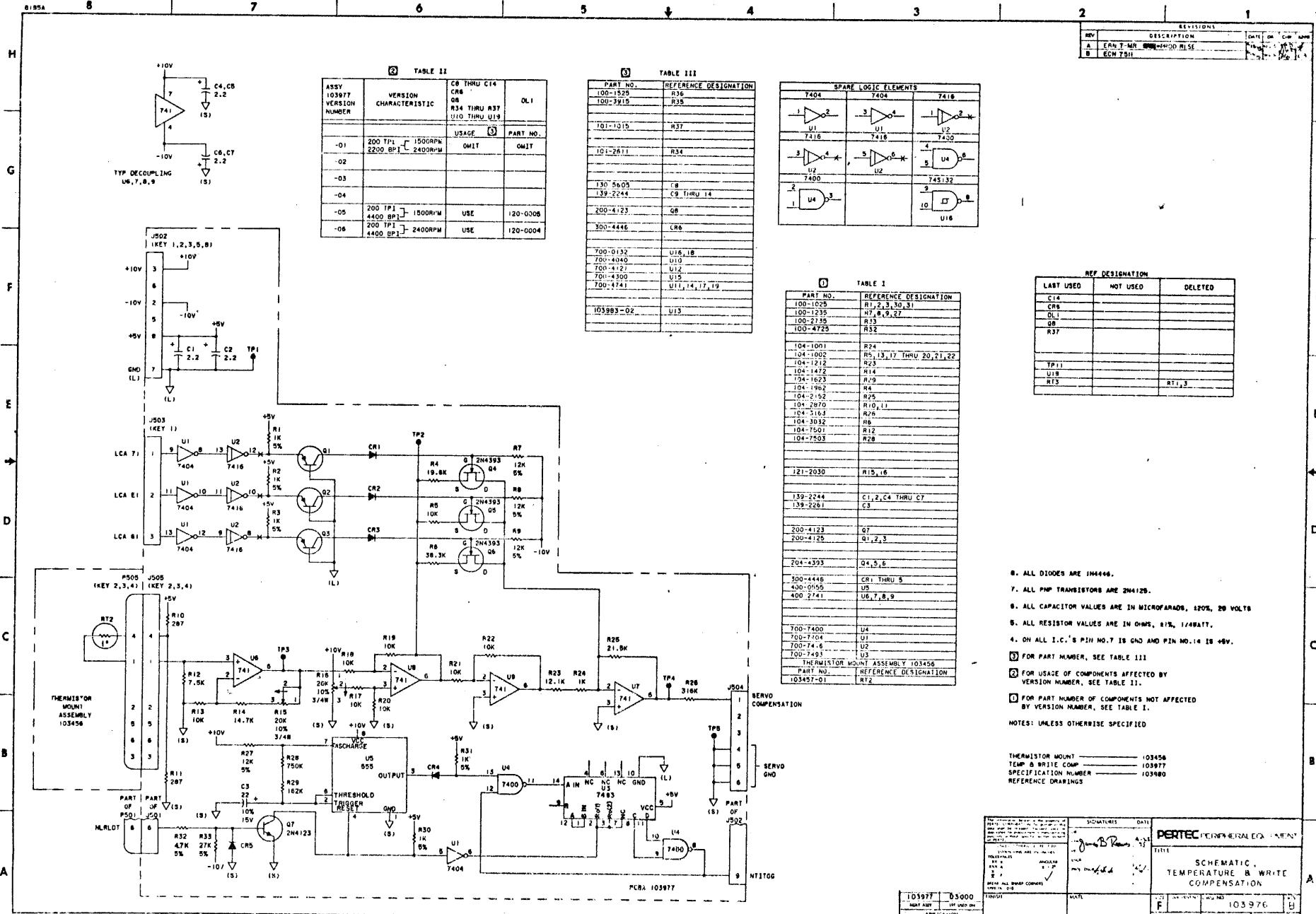
The information herein is the property of PERTEC Peripheral Equipment Co. It is to be held in confidence and shall not be released, disclosed, used or duplicated for procurement or manufacturing purposes without specific written consent of PERTEC.		SIGNATURES	DATE
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DR Henry Maender	12-12-79
TOLERANCES XX = — ANGULAR XXX = — LINEAR X = —		CHK James B. Ross	12-12-79
ENGR		PROJ. ENGR Henry S.	12-12-79
PROJ. ENGR Henry S.		PERTEC PERIPHERAL EQUIPMENT	
DRAWN BY		TITLE PCBA	
CHECKED BY		READ / WRITE C	
APPROVED BY			
TOP ASSY		MATERIAL	SIZE
NEXT ASSY		CODE IDENT NO	DWG NO
1ST USED ON		E	103751
APPLICATION		SCALE	REV C
		2/1	DO NOT SCALE DWG SHEET 1 OF 1

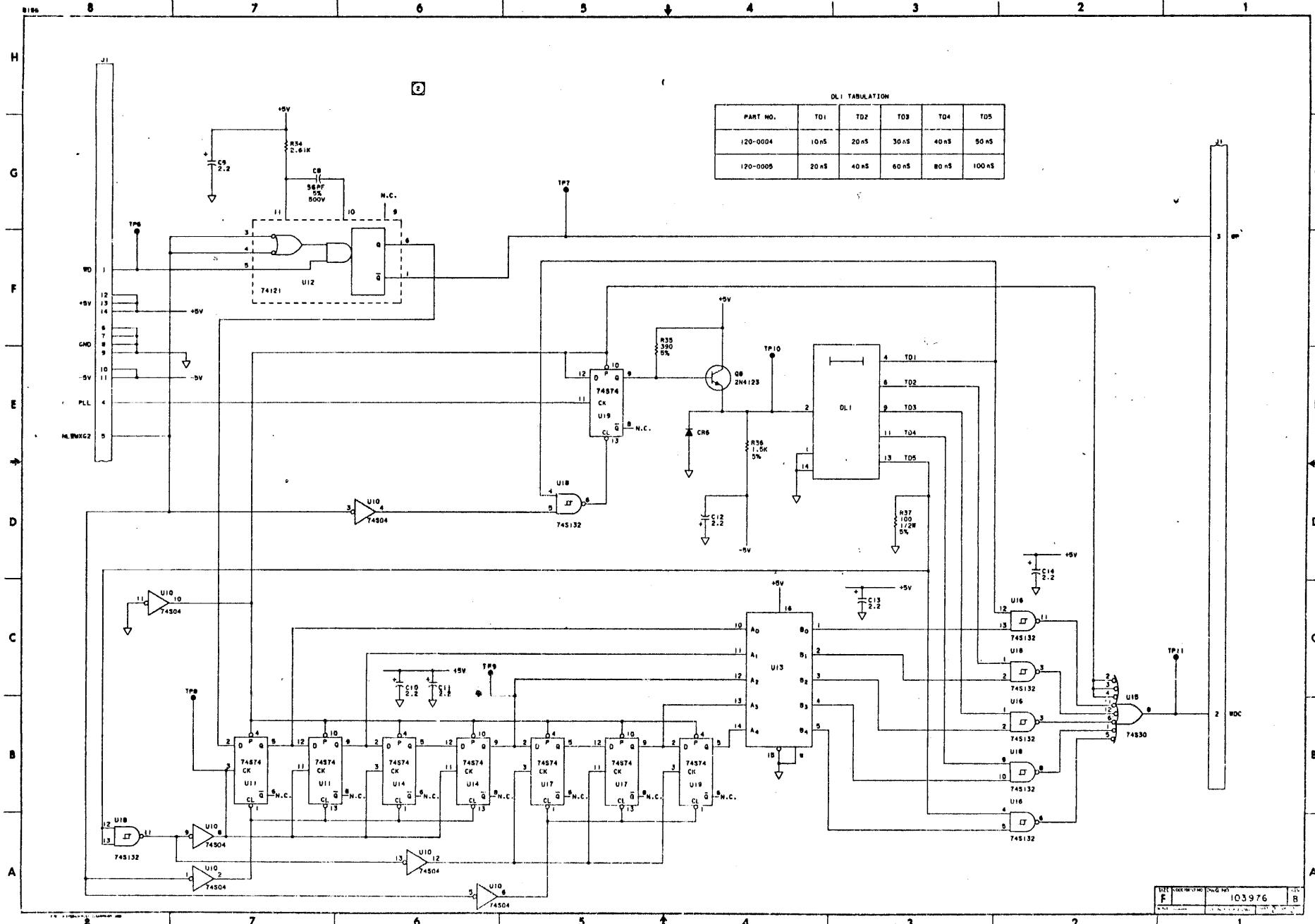
8 7 6 5 ↓ 4 3 2 1

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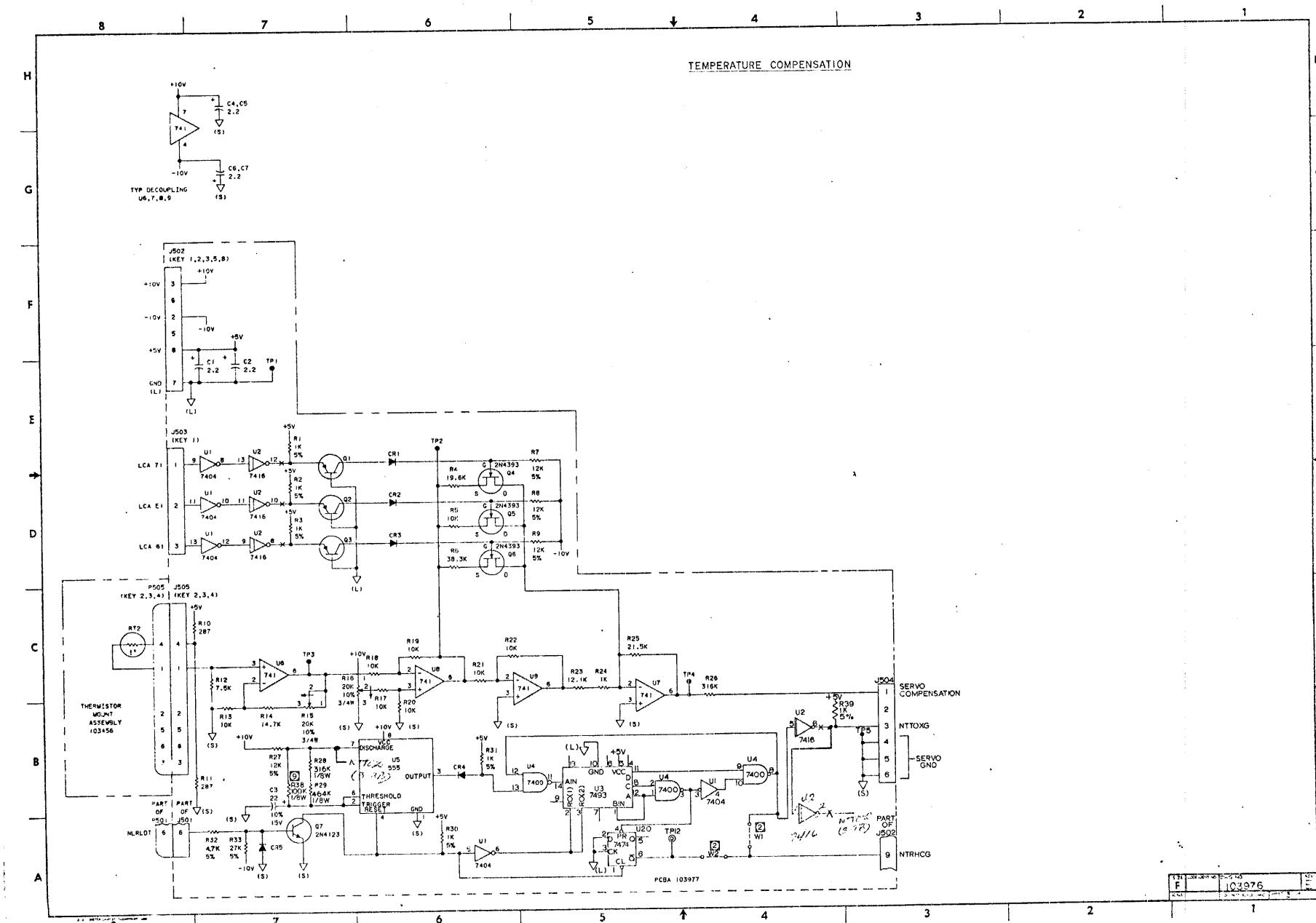
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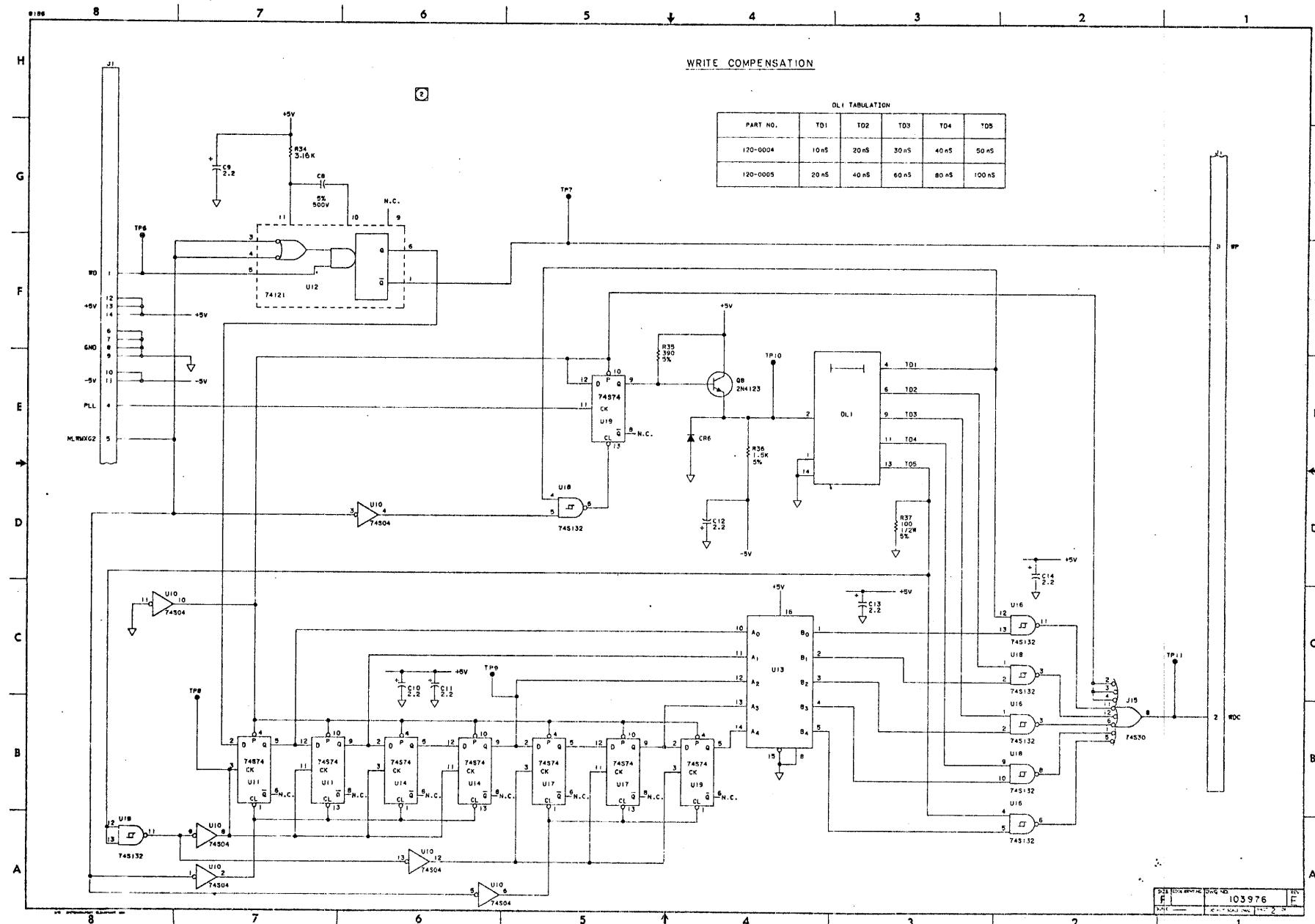
PART NO.	REFERENCE DESIGNATION
100-1025	R1, 2, 3, 30, 31, R39
100-1235	R7, 8, 9, 27
100-2135	R1
100-4725	R32
104-1001	R24
104-1010	R5, 13, 17, THRU 20, 21, 22
104-1112	R1
104-1173	R14
104-1143	R29
104-1592	R4
104-1592	R52
104-1592	R75
104-1592	R11
104-1592	R26
104-3812	R6
104-750	R2
107-363	R26
107-103	R38
121-2030	R5, 16
139-2244	C1, 2, C4 THRU C7
139-2261	C3
200-4-23	Q1
200-41-5	Q1, 2, 3
234-4-93	C4, 5, 6
303-4446	C8 THRU 5
470-0515	L5
470-741	L6, 7, 9, 9
700-7474	U20
700-7400	U4
700-7424	U1
700-74-6	U2
700-74-6	U3
700-74-6	U4
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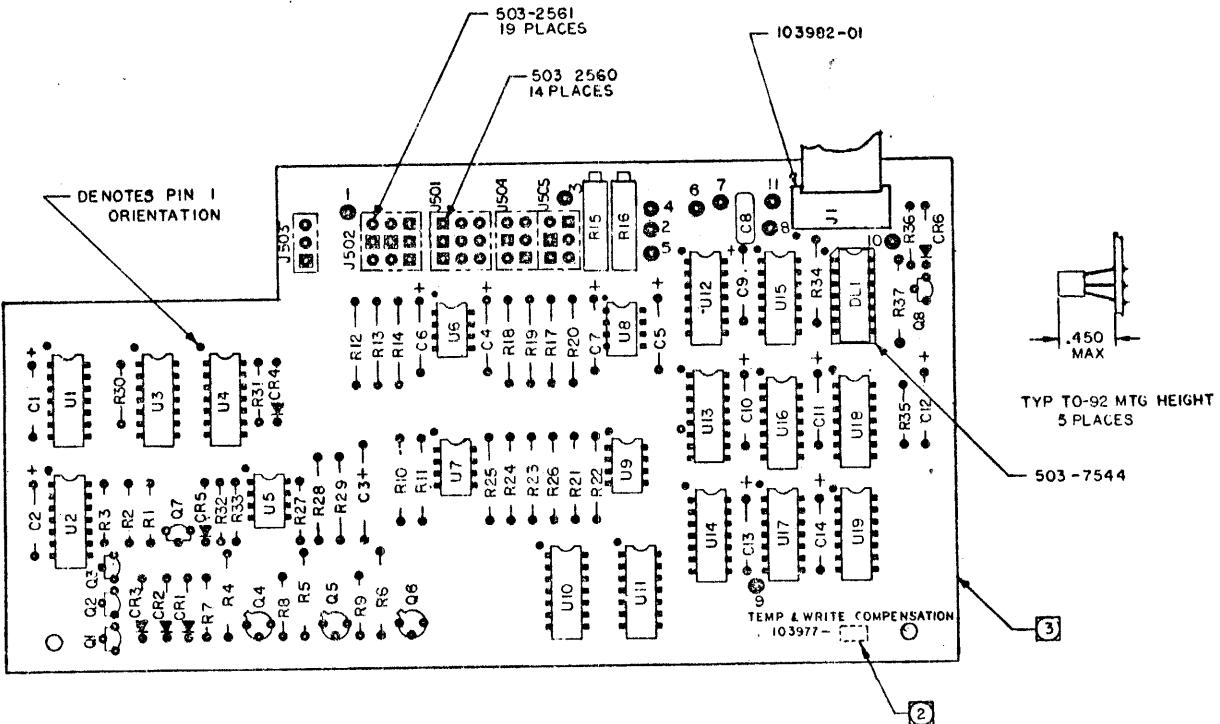
UVE INDEX NO. 103976
F B





103976

REVISIONS					
REV	DESCRIPTION	DATE	DR	CNC	APP
A	ERN 7-14H PRODUCTION REL	8/1/74	14	20	1
B	TECN 7713	8/1/74	14	20	1



SPECIFICATION 103980
SCHEMATIC 103976
REF. DRAWINGS

PART NO. 103977-01 REV B

(3) THIS ASSEMBLY SHALL BE MADE FROM PROCESS BOARD
103978-01 REV B AND SUBSEQUENT.

(2) MARK VERSION NO. AND VERSION ISSUE LETTER.

I ASSEMBLE PER STANDARD MFG METHODS.

NOTES: UNLESS OTHERWISE SPECIFIED

SIGNATURES		DATE
<i>[Signature]</i>	<i>[Signature]</i>	8/1/74
PERTEC PERIPHERAL EQUIPMENT		
TITLE PCBA		
TEMPERATURE AND WRITE COMPENSATION		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
TOLERANCES: ANGULAR: X 1° LINEAR: X .012"		
BREAK ALL SHARP CORNERS APPROX. 0.10		
FINISH:	MATERIAL:	SIZE
D8000 NEXT AGY 111 USE ON APPLICATION	SEE LM	COMPONENT NO. D 103977
		DRAWING NO. B
		SCALE 2:1 DO NOT SCALE DRAWING 1 OF 1

8 7 6 5 4 3 2 1

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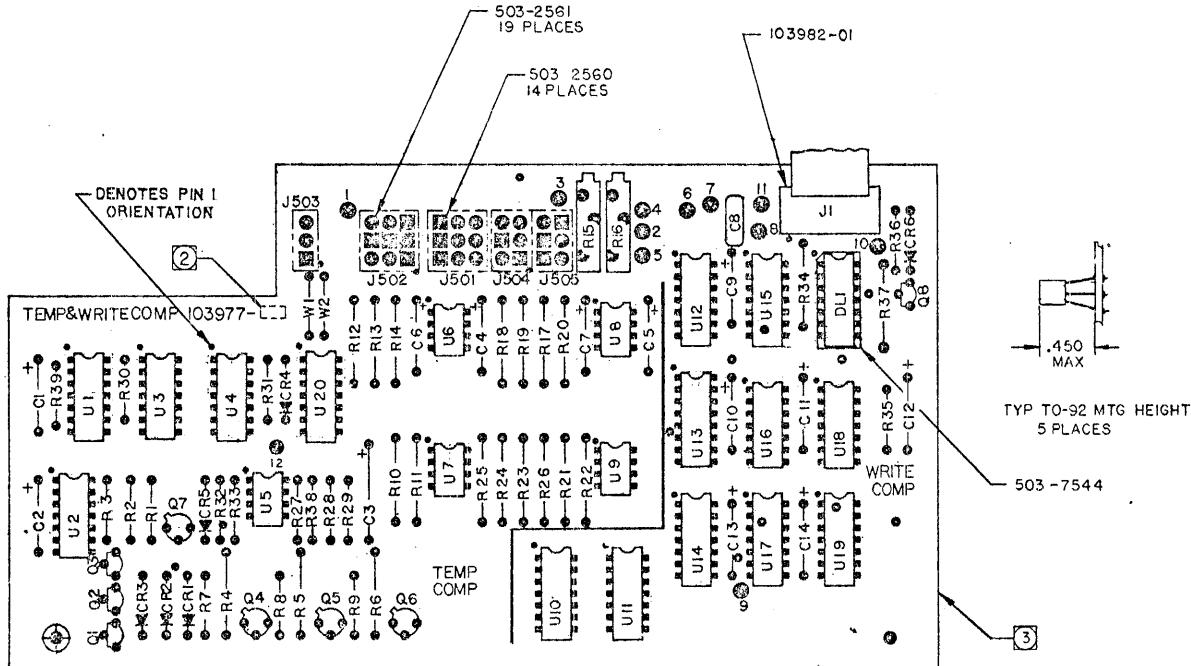
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SPECIFICATION 103980
SCHEMATIC 103976

REF DRAWINGS

PART NO. 103977-01 REV G+ECN
8129

THIS ASSEMBLY SHALL BE MADE FROM PROCESS BOARD
REV D OR REV D AND SUBSEQUENT.

MARK VERSION NO. AND VERSION ISSUE LETTER.

I ASSEMBLE PER STANDARD MFG METHODS.

NOTES: UNLESS OTHERWISE SPECIFIED

SIGNATURES		DATE
RETEC	PERTEC	PERIPHERAL EQUIPMENT
DET		TITLE
DET		PCBA
DET		TEMPERATURE AND WRITE COMPENSATION
DET		APPROV. 10/10
DET		FINISH:
DET		MATERIAL:
DET		SEE LM
DET		SIZE COORDINATES DWG NO. 103977 REV E
DET		SCALE 1:1
DET		PRINT SCALE TWO SHEET 1 OF 1

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